Ministry of the Environment
Ontario

INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (SKIMMER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Versatile Environmental
Products Company,
60 Riverside Drive,
NORTH VANCOUVER, B.C.
V7H 1T4

Tel.(604) 929-5451

Telex: 043 52686
BENNPOLL

DISC SKIMMERS M1 2 and M1 30

SEA HAWK OIL RECOVERY SYSTEM

DISC SKIMMERS

SPECIFICATIONS	M1 2	M1 30
Diameter	26 in.	50 in.
Height	11 in.	22 in.
Draft	2½ in.	8 in.
Weight	40 lbs.	182 lbs.
Effective in waves	1 - 2 ft.	2 - 3 ft.
Recovery Rate	8.8 US gpm	132 US gpm
Portability	1 man	2 men

SEA HAWK OIL RECOVERY SYSTEM

- oil to water recovery ratio of 9:1
- no moving parts; no auxilliary power required
- operates equally in currents, open water and quiet water
- entire system may be transported in a pickup truck and operated from a small boat
- Universal U.S. Navy Boom Connectors assure compatibility with virtually all major oil containment booms.

Specifications

Diameter: 4 feet; Height: 2 feet; Weight: 95 lbs.
Capacity: approximately 100 gallons.

McAllister Pollution Control
410 St.Nicholas Street
MONTREAL, Quebec
H2Y 2P5

Tel: (514) 849-2221

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MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Versatile Environmental Products Company, 60 Riverside Drive, NORTH VANCOUVER, B.C. V7H 1T4 Tel: (604) 929-5451 Telex: 043 52686 BENNPOLL MARK IV SKIMMER Also available: MARK 3F, 6D, 6E, 6F, 9B, 10, XI and 12	Length (overall)	40' 3"	McAllister Pollution Control 410 St.Nicholas Street MONTREAL, Quebec H2Y 2P5 Tel: (514) 849-2221
	Beam	11' 11"	
	Draft - Loaded		
	Ballast Pontoons ON	7'	
	Ballast Pontoons OFF	3' 5"	
	Freeboard	2'	
	Shipping Height	10' 6"	
	Power - 2 G.M. 6V53 at 2,200 RPM	240 H.P.	
	Propulsion and Steering	2 Schottel 360° drives	
	Design speed	7 Knots	

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TYPE: OIL RECOVERY EQUIPMENT (SKIMMER)

MANUFACTURER AND TRADE NAME

Vikoma International Ltd.
Crest House
39-41 Thames Street
Weybridge,
SURREY, England

Tel.Weybridge 43315/6

Telex: 929359 VIKINT G

THE KOMARA MINISKIMMER
(Pneumatic Drive)

THE KOMARA MINISKIMMER
(Hydraulic Drive)

THE VIKOMA SEASKIMMER 100

TECHNICAL DETAILS

	KEBAB 600 SKIMMER	VIKOMA SEASKIMMER 50	KOMARA 12 (Hydr. Drive)	VIKOMA SEASKIMMER 100
Discs	5	44	32	80
Buoyancy	Fixed	Fixed	Fixed	auto. control
Weight	21 lb.	1100 lb.	125 lbs.	2,050 lbs.
Height	--	55.5 in.	17 in.	8' 4"
Max.Dia.	--	--	46 in.	10' 9"
Draft	4 in.	14-16 in.	7 in.	5'
Power	12 V Battery or mains via converter	remote hydraulic power pack	hydraulic power pack	remote hydraulic power pack
Recovery Capacity:	up to 600 litres/hr.	up to 50 tons/hr.	up to 10 tons/hr.	up to 100 tons per hour.

Discs mounted in toroid giving pick-up through 360°C

SUPPLIER

Marine Equipment Limited
Barrington Commercial Centre
3695 Barrington Street
HALIFAX, Nova Scotia
B3K 2Y3

Tel: (902) 429-3240

Telex: 01922666

Contact: Mr. J. Mackey

OIL/WATER SEPARATORS

Manufacturer	Product	Page
AFL Industries, Inc.	Mobile unit	1
Alfa-Laval Limited	Centrifugal operation	2
Bethlehem Steel Corp.	Permanent-in-line	3
Enquip, Inc.	Permanent-in-line	4
Envirotech Canada Ltd.	Permanent-in-line	5
ERC/Lancy	Permanent-in-line	6
Facet Enterprises, Inc.	Portable or permanent	7
Hyde Products, Inc.	Fixed or portable	8
National Marine Service	Shipboard or shore	9 - 10
Oil Mop, Incorporated	Permanent or portable	11
Surface Separator Systems, Inc.	Permanent or portable	12
Versatile Environmental Products Company	Fixed or floating	13
Vikoma International Ltd.	Fixed or floating	14

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
AFL Industries, Inc. 3661 W. Blue Heron Blvd. RIVIERA BEACH, Florida 33404 Tel. (305) 683-7406	MOBILE VERTICAL TUBE COALESCING SEPARATOR (VTC) Trailer-mounted tank type oil/water separator featuring a corrosion-resistant fibreglass envelope with an inner layer of urethane foam to minimize heat loss. FLOW RATES: 10 to 500 (US) GPM TRAILER BED LENGTH: 10' to 14' WIDTH: 5' to 7' 8" (or to specification) HEIGHT: 15" to 19" (or to specification) SEPARATOR LENGTH: 6' 2" to 22' 0" WIDTH: 1' 8" to 6' 7" HEIGHT: 4' 8" to 6' 9" INLET & OUTLET PIPE: 3" to 10" diameter TRAILER & SEPARATOR WEIGHT: Empty - 1250 to 4500 lb. Filled - 2335 to 31,250 lb. OPTIONS: Built in oil slop tank. Pumping systems for transfer of influent, sludge, oil and effluent. Motor Generator: sloping bottoms; Special Resins: oil stop valve and flow control valves.	LTS SALES LTD. 1325 Shawson Drive Mississauga, Ontario L4W 1C4 Tel.(416) 678-2131 1478 London Road Sarnia, Ontario N7S 1P7 Tel. (519) 542-7731

MODELS

MVTC - 10
MVTC - 20
MVTC - 50
MVTC - 100
MVTC - 200
MVTC - 300
MVTC - 400
MVTC - 500

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CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR (CENTRIFUGAL)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Alfa-Laval Limited
113 Park Street, S.,
PETERBOROUGH, Ontario
K9J 3R8

Tel.(705) 745-5735

Telex: 06-962811

Cable: Lavalco, Peterborough

DESCRIPTION

- Oil/water separation by centrifugal force.

SPECIFICATIONS

Capacity:	50-1,500 IGPH
Power Required:	1-25 HP
Feed:	-by external pump
Discharge:	-by internal pump
Separation:	-to 15 ppm of one liquid in the other

Alfa-Laval, Inc.
2115 Linwood Ave.,
Ft.Lee, New Jersey 07024

Tel.(201) 592-7800

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR
(GRAVITY TYPE)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Bethlehem Steel Corp.,
Buffalo Tank Division,
Dunellen, New Jersey 08812

Tel.(201) 968-5200

BUFFALO-MORSE

OIL/WATER SEPARATOR

DESCRIPTION

- unit is of steel construction
- consists of materials inlet, corrugated flow apron, settling chamber, baffle and weir system, clarified water chamber with clean water outlet, and separate floating contaminant material draw-off valve
- Gravity-type separator

SPECIFICATIONS

Overail Tank Capacity:	250, 800, 2200, 5500 gallons
Operating Capacity:	50, 100, 150 and 250 GPM
Storage Capacity:	Separate for recovered oil storage
Overall Weight:	1,000, 2,400, 5,100 and 9,800 lbs.
Overall Inside: Dimensions (LxWxD)	6' x 2' x 3'; 6' x 4' x 4' 6"; 10' x 6' x 5'; 15' x 10' x 5'
Type of Inlet:	Threaded pipe nipple or flange
Tyoe of Outlet:	Threaded pipe nipple or flange

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR (DISPLACEMENT)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
	M-2	M-10	M-5	M-3	
Enquip, Inc. 1601 So. Main TULSA, Oklahoma 74101 Tel.(918) 599-8111					
Dimensions:	4' Dia x 21' 3"	8' Dia x 27'	6' Dia x 24'	5' Dia x 20'	
Material:	1/4" steel	1/4" steel	1/4" steel	1/4" steel	
Total Volume:	1,800 gallons	10,000 gal.	5,000 gal.	3,000 gallons	
Total Weight:	4,500 lbs.	12,500 lbs.	8,000 lbs.	6,500 lbs.	
Max. Water Flow:	90 gpm	400 gpm	200 gpm	50 gpm	
Max. Holding Capacity:	1,450 gallons	6,500 gal.	3,200 gal.	2,000 gal.	
Inlet Connection:	4" Sch. 40	8" Sch. 40	6" Sch. 40	4" Sch. 40	
Water Outlet Connection (Gravity)	6" Sch. 40	8" Sch. 40	6" Sch. 40	6" Sch. 40	
Water Outlet Connection (Pump)	4" Sch. 40	4" Sch. 40	4" Sch. 40	----------	
Hydrocarbon Outlet Connection (Pump)	3" Sch. 40	3" Sch. 40	3" Sch. 40	----------	
Inspection Manholes:	20" Dia x 24"	----------	24" Dia 22"	----------	
Exterior Coating 7 mls:	ASPHAULTUM VARNISH				

TSI MODELS: M-10, M-5, M-3 and M-2

Accessory equipment also available.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS						SUPPLIER
		CAPACITY		H.P.		ROTOR RPM	SHIPPING WEIGHT (LBS.)
	UNIT	G.P.M.	B/D	PER CELL	TOTAL		
Envirotech Canada Ltd. WEMCO Division 5155 Creek Bank Road Mississauga, Ontario L4W 1X2 Tel. (416) 625-6070	36	50	1,720	2	8¼	559	4,800
	44	150	5,150	3	12½	437	6,500
	56	300	10,300	5	20½	380	9,500
	66	450	15,450	7½	30½	336	12,240
	76	750	25,725	10	40½	289	15,200
	84	1,125	38,585	15	60½	264	21,900
	120	2,250	77,175	25	100½	220	29,000
WEMCO	120-X	3,000	103,000	25	100½	220	34,000
DEPURATOR FLOTATION MACHINE	144-X	5,000	171,400	40	160½	194	53,200

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
ERC/LANCY Division of Dart Environment and Services Co. 3725 N. Dunlap St.Paul, Minnesota 55112	**DESCRIPTION** - modular tank type with basin constructed of steel, stainless steel or fibreglass - CPI plate pack constructed of steel, alloys, fiberglass and thermoplastics **SPECIFICATIONS** Overall Tank Capacity - 5 to 3,000 GPM Operating Capacity - dependent on number of plate packs Overall Dimensions - CPI plate packs - 38" high x 42" wide x 69" length - Modular Tank - depends on the number of inserted packs.	Precisioneering, Ltd. 303 Nantucket Blvd. Scarborough, Ontario Calmat Engineering 10122 123rd Street Edmonton, Alberta T5N 1N2

CORRUGATED PLATE SEPARATOR

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Facet Enterprises, Inc.
Industrial Division
P.O. Box 50096
TULSA, Oklahoma 74150

Tel.(918) 939-5451

Telex: 49-2495

(IV-7)

FACET OILY/WATER SEPARATOR MODEL OWS-900

DESCRIPTION

- Standard series of 3-stage separation systems with automatic controls
- Pressurized system includes low shear pumps, tilted plate reverse flow separator with optimum gross oil retention and dual stage filter-emulsion breaker.

SPECIFICATIONS

Overall Tank Capacity	- Standard systems process 10 - 1000 GPM
Operating Capacity	- 900 GPM maximum continuous
Overall Weight	- 5,060 lbs. (dry)
Overall Dimensions	- (height, diameter in inches) 141-3/4 x 78 3/4
Type of Inlet	- 8" flange
Type of Outlet	- 8" water, 4" oil
Power Requirements	230/460 volt, 60 cycle 3 phase: air drive

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Hyde Products, Inc.
(Subsidiary of
Zimmite Corporation)
810 Sharon Drive
CLEVELAND, Ohio 44145

Tel. (216) 871-4885

Cable: Zimmie-Cleveland

TWX: 810-427-9123

HYDE MODEL 425

OIL/WATER SEPARATOR

DESCRIPTION

The Hyde Porous Media Oil/Water Separator can be constructed of steel plate, fibreglass, or concrete, in large units.

- mounting above or below ground
- all surfaces coated for protection
- self-contained devices.

Operating Capacities (US GPM) 1.5 to 5,800

MODEL 425 - SPECIFICATIONS

Flow Capacity	-	to 25 US GPM
Overall Diameter		84" (2135 mm)
Overall Height	-	70" (1780 mm)
Inlet Port	-	2" N.P.T.
Oil Outlet Port	-	4" N.P.T.
Drain Ports	-	3" N.P.T.

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

National Marine Service
827 Hanley Industrial Ct.
St.LOUIS, Missouri 63144

Tel: (314) 968-4770
968-2700

Automatic oil/water separators consisting of basically the same separator, control and pump/valve units. The oil/water mix is initially separated by gravity then final traces of oil are removed by coalescers. Intake, backflush of coalescers and discharge are all automatic.

BILGEMASTER I has the additional feature of water discharge by stack evaporation. Sensors check for optimum conditions prior to stack injection.

BILGEMASTER II semi-automatic option available. Pushbutton intake start with automatic stop, pushbutton oil discharge with automatic stop.

OILMASTER available skid-mounted for portability. The three main units are pre-wired and pre-piped on one skid.

BILGEMASTER I

BILGEMASTER II

OILMASTER

OPTIONS	BM I	BM II	OM-SKID	OM-BASIC
Special Operational Voltages	Yes	Yes	Yes	Yes
Suction Valve & Strainer Assembly	Standard	Yes	Yes	Yes
Bilge/Sump Level & System Fault Alarms	Yes	Yes	Yes	Yes
Flow Meter - Up to 10 GPM	Standard	Yes	Standard	Yes
Automatic Multiple Bilge/Sump Selector	Yes	Yes	Yes	Yes
Backflush Pressure Regulator	Yes	Yes	Standard	Yes
Surface Skimmer - for spill cleanup	Yes	Yes	Yes	Yes
Oil Discharge Cycle Counter	No	No	Yes	Yes

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

National Marine Service
827 Hanley Industrial Ct.
St.Louis, Missouri 63144

Tel: (314) 968-4770
968-2700

BILGEMASTER I

BILGEMASTER II

OILMASTER

COMPONENT		WIDTH (in.)	DEPTH (in.)	HEIGHT (in.)	APPROX. WRKG. WT.(lb.)
Separator	- 1 Ton * (5 GPM)	20	30	53	700
	- 2¼ Tons * (10 GPM)	24	38	69	1100
Control Panel	BM I **	14	10	14	30
	BM II** & OM	23	10	18	35
Pump & Control Valve Unit	- BM I	33	22	15	125
	- BM II & OM	31	18	18	100
Remote Alarm Panel		6	4	4	6
Oil Discharge Cycle Counter		6	4	4	6
Multi-Sump Selector Control Panel		23	10	18	30
Separator Skid-Mounted	- 1 Ton * (5 GPM)	36	48	59	750
	- 2¼ Tons* (10 GPM)	36	48	75	1150

STANDARD POWER

System	VOLTS (AC)	AMPS	HERTZ	SHIPPING WEIGHTS lb.
1 Ton Separator	110	10	60	450
2¼ Ton Separator	110/220 ***	20/10	60	650

add 50 lb. for skid-mounted system.

* Metric Tons per hour through put.
** Supplied with shock mounts.
*** 220 VAC system requires 3-wire 110/neutral/110 power.

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Oil Mop, Incorporated
P.O. Drawer "P"
Belle Chasse, La. 70037

Tel. (504) 394-6110

Cable Address:

OIL MOP
New Orleans

Telex: 587 486

Answer Back:

Oil Mop BCHA

UNIT	R - 10	R - 30	R - 50
Capacity	10 GPM	30 GPM	50 GPM
Dry Weight	80 lbs.	700 lbs.	3,000 lbs.
Flooded Weight	142 lbs.	1,200 lbs.	11,000 lbs.

DESCRIPTION OF OPERATION - Oil Mop Inc.'s R-10, R-30 and R-50 Oil/Water Separators use a yarn-wound, disposable coalescing filter, capable of polishing water to less than 15 ppm oil content.

NEW UNIT -

Model: R-20-T O/W Separator - IMCO approved
Capacity: 20 GPM
Dry Weight: 2,000 lbs.
Flooded Weight: 4,000 lbs.

DESCRIPTION OF OPERATION - Oil Mop Inc.'s R-20-T is a combination oil/water separator. The first stage uses - a vortex/plate-type separation technique, which reduces free oil and solids to a minimum. The second stage employs OMI's filter-type coalescer for final polishing.

Oil Mop Pollution Control Ltd.
1765 Shawson Drive
Unit 11
Mississauga, Ontario
L4W 1N8

Tel.(416) 625-9421

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Surface Separator Systems, Inc.
P.O. Box 5305
KNOXVILLE, Tenn. 37918

Tel. (615) 688-8820

Surface Separator Systems, Inc

OIL/WATER/SOLIDS SEPARATORS

MODEL	FLOW CAP	DIMENSIONS
DT-115-D-10	10 GPM	8' x 4' x 4'
DT-115-D-25	25 GPM	10' x 5' x 5' 3"
DT-115-D-50	50 GPM	12' x 6' x 6' 9"
DT-115-D-100	100 GPM	16' x 8' x 7' 6"
DT-115-D-300	300 GPM	40' x 8' x 8' 9"

PRIMARY WASTE WATER

SEPARATORS DT-115-D SERIES

- Steel plate and shape fabrications
- Fitted with disc type oil skimmer, oil sump and waste oil discharge pump
- Alternate solids pump available.

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Versatile Environmental
Products Company
60 Riverside Drive
North Vancouver, B.C.
V7H 1T4

Tel: (604) 929-5451

Telx: 043-52686
BENNPOLL

FLOATING OIL/WATER SEPARATOR

FREEBOARD:	13"
DRAFT:	48"
TOTAL HEIGHT:	61"
CONE DIAMETER:	4' 8"
CAPACITY:	190 gallons (S.G. 95)
WEIGHT:	Approx. 70 lbs.

CONSTRUCTION

FLOATING OIL/WATER SEPARATOR

Cone: Rotary molded polyethylene, foam filled c/w 2" polyethylene pipe, welded in place and fitted with 2" male camlock.

Skirt: PVC coated nylon fabric, with lead ballast sealed into bottom.

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TYPE: OIL/WATER SEPARATOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Vikoma International Limited Littleton Road, Ashford Road Ashford, Middlesex England TW15 1UT Tel: Ashford (Middx) 45011 Telex: 887767 VIKNT G KEBAB SKIMMER FX and FLT	The KEBAB Skimmers are intended for continuous operations in gravity separators, ponds, treating contaminated industrial process and cooling waters. Virtually any floating and mobile contaminant is removed. Two versions are commercially available: FIXED KEBAB SKIMMER - For low water level change situations. Employing up to 28 discs in two disc module units, this version employs a bridge structure to straddle API type separator ponds. Collected oil is discharged into existing pipe weir separators. The Fixed KEBAB operates continuously and is designed for safe operations in flammable atmosphere. Oil pick-up rate up to 28 tons/hour. FLOATING KEBAB SKIMMER - For multi-locations use or situations with large water level changes. Employs 14 discs in one disc module. Unit comprises a oil skimming head with oil discharge pump and shore based electro hydraulic power pack. The unit is designed for continuous operations in flammable atmosphere. Oil pick-up rate up to 14 tons/hour.	Marine Equipment Limited Barrington Commercial Centre 3695 Barrington Street HALIFAX, Nova Scotia B3K 2Y3 Tel.(902) 429-3240 Telex: 01922666 Contact: Mr. J. Mackey

DETECTION DEVICES

Manufacturer	Page
Bull & Roberts, Inc.	1
C-E Invalco	2
Leak "X" Detection Devices Ltd.	3
Metritape, Inc.	4
Pollulert Systems	5
Turner Designs	6

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TYPE: DETECTION DEVICE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Bull & Roberts, Inc. 785 Central Avenue MURRAY HILL, N.J. 07974 Tel.(201) 464-6500 AQUALERT MODEL 240	- In line continuous, oil detector pollution monitor based on measurement of light transmission through fluid being monitored. - Monitors U.V. wavelength and visible portion. - Power supply: 110 VAC, 50/60 Hz or 220 VAC, 50/60 Hz. - Circuit breaker: 2 amps; power consumption 50 watts; Meter scale: 0-100 - Outputs: Analog indicator/recorder 0.5V, 05 ma. Signals: visible, U.V. ratio - Set point: adjustable; Reset: automatic - Relay contact: 3 PDT set for alarms and controls - Range: Heavy oil - 0-50 ppm Light oil - 0-100 ppm - Accuracy: 5% full scale; repeatability: 2% - Built-in test circuitry to check power source, visible, ultraviolet (UV) output, ratio buffer output. Can test operation of visible UV and ratio circuits. - CSA approval.	Sulco Marine Ltd. 3285 Cavendish Blvd. Suite 370 Montreal, Quebec H4B 219 Tel.(514) 489-7273 Kelvin Hughes 1711 West 2nd Avenue, VANCOUVER, B.C. V6J 1H7 Tel.(604) 736-1246

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INFORMATION ON OIL SPILL CONTAINMENT AND

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TYPE: DETECTION DEVICE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
C-E Invalco Division of Combustion Engineering, Inc. P.O. Box 556, Tulsa, Oklahoma 13101 Tel.(918) 663-9130 D.O.W. MONITOR	- D.O.W. (Dispersed Oil in Water) monitor can detect oil in water normally in range of 0 - 150 ppm - Accuracy: ±5% - Operates to temperatures up to 150° - Working pressure of 60 PSIG (100 PSIG Test) - Dual beam light measuring system - Power supply: 95 - 130 VAC, single phase, 60 Hz, 60 watts - Input range (crude, fuel, oils): 0-20 or 0-150 ppm - Ambient temperature: 40°F to 150°F - Analog output: 4 - 20 ma. - Standard Status Outputs - SPAD isolated dry contact closure rated at 3 amps non-inductive - either weatherproof or explosionproof housings - 1/4" NPT inlet and outlet sampling connections.	C-E Invalco Division of Combustion Engineering, Inc. P.O. Box 556, Tulsa, Oklahoma 13101 Tel.(918) 663-9130 Local Distributor: MacDonald Process Equipment Limited, 133 The West Mall, Unit 2 Etobicoke, Ontario M9C 1C2 Tel.(416) 626-7300 Telex: 06-98466

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INFORMATION ON OIL SPILL CONTAINMENT AND

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TYPE: DETECTION DEVICE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Leak "X" Detection
Devices Limited,
215 Colonnade Road, South
Nepean, Ontario
K2E 7K3

Tel. (613) 225-9508

Cable: LEAKEX, OTTAWA

Telex: 0534379 Hambro, Ott.

PORTA-PROBE

PETRO-PROBE

LEAK DETECTION SENSOR CABLE

DETECTION MONITOR M-105

HAZARDOUS GAS DETECTORS & SYSTEMS

STANDARD S.P.I. 901

L.M.S. 500 LIQUID SENSORS

GROUP I

- applies to detection of liquid hydrocarbons above or below ground
- 3 types:
  1) Petro-Probe - above and underground storage tanks
  2) Leak Detection Cable - above and underground storage tanks
  3) Detection Monitor M-105 - pipelines, storage tanks, airport hydrant fueling systems, service stations, etc.
  4) Porta-Probe for subsurface testing.

GROUP II

- applies to detection of hazardous gases
- 2 types:
  1) HGD 100 - wallmount Hazardous Gas Detector
  2) HGD 101 - portable or fixed Hazardous Gas Detector

GROUP III

- applies to detection of hydrocarbons on water
- 2 basic types:
  1) Standard S.P.I. 901 - fresh or salt water. Can be used on offshore rigs, pipelines, loading and off-loading facilities, on-shore storage depots, refineries, etc.
  2) LMS 500 - Liquid sensors for presence, depth and contamination of liquids.

NOTE: LEAK "X" RESERVES RIGHT TO CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE.

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TYPE: DETECTION DEVICE
(TANK OVERFILL PREVENTION)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Metritape, Inc. 33 Bradford Street West Concord, Mass. 01742 Tel. (617) 369-7500 Telex: 923492 DIGILERT[tm] METRIMETER[tm] (Digital or Analog) METRALARM[tm] METRIDRAFT[tm] METRICIRCUIT[tm] METRIBARRIER[tm]	- Single or multi-channel level and temperature gauging systems with multiple fill alarms for over-fill prevention. - Provides precise digital or analog display (local and/or remote); level accurate to 0.1% in inches, feet or meters, temperature to 0.1 degrees C or F - Intrinsically safe for closed tank gauging in explosive atmospheres. - Metritape sensors contain no moving parts and can be easily installed without personnel entry into tank. - Linear auxilliary output available (except with DIGILERT).	1) Baker Instruments Ltd. 118 Doncaster Avenue THORNHILL, Ontario L3T 1L3 Tel. (416) 889-8642 Telex: 06-964572 (BAKERMETER TOR) 2) Canadian Dynamics Nova Ltd. 8264 St.George Street Vancouver, B.C. V5X 3S6 Tel. (604) 324-3316 Telex: 04-55365 (CD NOVA VCR) 3) K & A Equipment and Controls, Box 3430 Station "B" St. John, N.B. E2M 4X9 Tel. (506) 672-1035 Telex: 014-47523 (K & A EQ SNB)

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TYPE: DETECTION DEVICE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Pollulert Systems Mallory Components Group P.O. Box 706 Indianapolis, Indiana 46206 Tel:(317) 261-1130	POLLULERT HYDROCARBON DETECTOR Consists of an electronic control unit connected by cables to any of the following probes: - in a collector basin for surface water - in a deep pipe reaching ground water and the water table - in a dry sump. The system monitors constantly and flashes a warning signal whenever hydrocarbons contact the probe. It can also be equipped to activate alarm devices, pumping systems or telephone automatically. The system detects the presence of hydrocarbons by evaluating the thermal conductivity of the material the probe contacts.	Mallory Components Ltd. 222 Dixon Road Weston, Ontario M9P 3S5 Tel: (416) 244-4239

POLLULERT

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TYPE: DETECTION DEVICE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Turner Designs 2247-A Old Middlefield Way MOUNTAIN VIEW, California 94043 Tel.(415) 965-9800 FLUOROMETER	- measures fluorescence both in oil accommodated water and in solvents used to extract oil from water, sediment and organisms - limit of detectability of oil in sea water, on a continuous basis with no sample treatment, has been reported at five parts per billion - instruments available for lab or boat operation, for submersible operation to 100 meters, and with limitations, to 200 meters - same equipment used to measure oil may also be used for turbidity measurements, determination of suspended solids, dye tracer studies, flow measurements and measurements of algae and chlorophyll - attachment available which allows use of the basic Fluorometers as detectors for High-Pressure Liquid-Column Chromotography.	Turner Designs

MISCELLANEOUS EQUIPMENT

Manufacturer	Product	Page
Fell-Fab Products	Textile Products	1
Gilkes Pumps, Inc.	Portable pumps	2
Hurum Engineering Ltd.	Accessories	3
Industrial Municipal Engineering	Vacuum Inductors	4
Kidde (Walter) & Co. Ltd.	High-pressure washers, steam cleaners	5-6
Logan Mining	Canopy	7
Megator Corporation	Pumps	8
Munster Simms Engineering Ltd.	Hand pumps	9
Oil Mop Incorporation	Hand mops	10
Oil Recovery Systems, Inc.	Surface sampler	11
R.B.H. Cybernetics (1970) Ltd.	Carrying pan, wringer	12
Rotork Marine Ltd.	Barges, landing crafts	13
Rupp (The Warren) Co.	Pumps	14
Sanivan Marine, Inc.	Catch basin caps	15
Seaward International, Inc.	Containment and clean-up package	16
Slickbar, Inc.	Trailers, work boats, pumps, fans	17-18
Spill Control Company	Spill kits	19
Surface Separator Systems, Inc.	Debris collectors	20

MISCELLANEOUS EQUIPMENT continued

Manufacturer	Product	Page
Tarp (The) Shop	Outdoor covers	21
Uniroyal, Inc.	Storage tanks	22
Versatile Environmental Products	Workboats	23
Vikoma International, Inc.	Boom deployment	24-25

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TYPE: MISCELLANEOUS EQUIPMENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Fell-Fab Products 2343 Barton Street, E. HAMILTON, Ontario L8H 7L6 Box 3303, Stn. "C" Hamilton (416) 560-9230 Toronto (416) 360-1643 Telex: 061-8673	Industrial and Commercial Textile Products Made from water, oil, chemical and fire-resistant fabrics, among others. Product line includes: Aprons, awnings, bags, baskets, blankets, canopies, canvas, cloths, cord, covers, curtains, fabrics, fenders, film, filters, flags, hampers, leggings, liners, mats, nets, pads, pipe, rope, sacks, screens, sheets, shelters, shields, slings, sprays, straps, tarpaulins, tents, webbing, windbreaks, zippers, etc.	

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MISCELLANEOUS EQUIPMENT
TYPE: PUMP

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Gilkes Pumps, Inc. 1209 Highway 146, at Nasa Road 1, P.O. Box 628, SEABROOK, Texas 77586 Tel:(713) 474-3016 Telex: 792-653 GILKES PORTABLE EMERGENCY TURBO PUMP	PORTABLE EMERGENCY TURBO PUMP - for handling volatile liquids - spark-free/flame-proof - based on a Gilkes 3.25 Francis water motor developing 4 BHP @ 3600 RPM with 92 GPM of water @ 140 PSI pressure driving a self-priming pump with an output of 175 GPM at a discharge pressure of 17 PSI. Weight: 100 lb. Pump Inlet Flange: 2" B.S.P. Pump Discharge Flange: 2" B.S.P. Water Motor Inlet: 1¼" B.S.P. Water Motor Discharge: 2" B.S.P. - pump construction in cast iron or stainless steel, depending on the liquids to be handled. - water motor constructed in bronze with stainless steel shaft and fittings for fresh or salt water operations.	

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MISCELLANEOUS EQUIPMENT
TYPE: ACCESSORIES

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Hurum Engineering Limited 300 St.Sacrement Street Suite 119 Montreal, Quebec H2Y 1X4 Tel.(514) 284-0691 Telex: 055-60312	The following accessories and parts are available upon request: - paravanes, aluminum - towing devices and bars, aluminum - anchoring buoy, aluminum - dock side attachments, aluminum; various types - anchors, steel; 50 & 100 lbs; Admiralty type - towing line, 250', 5/8" dia. poly-rope - towing bridle, short & large; 5/8" dia. poly-rope - flashing light, c/w bracket & batteries - joint clamps, aluminum; for 14", 18", 24" and 36" oil boom - boom adaptors, aluminum, 14", 18", 24" - floats for joint clamps, red inflatable float - anchor markers c/w shackles - valves - plastic caps for 1/4" and 1/8" dia. cable; large and small type - galvanized shackles, 1/4", 3/8" and 1/2"; anchor type	Hurum Engineering Limited

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MISCELLANEOUS EQUIPMENT
TYPE: VACUUM INDUCTORS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

VACUUM INDUCTORS

UNIT	M3	M10	M8	M9
CFM	135	250	400	700+
- all	-------- SLOW RPM ----------			
- all	----- MINIMUM HEAT BUILD UP -----			
- all	----- VACUUM TO PRESSURE --------			
- M8 and M9	----------OIL COOLED ----------			

Industrial Municipal Engineering
P.O. Box "N"
U.S. Route 34 East
GALVA, Illinois 61434

Tel.(309) 932-2036

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MISCELLANEOUS EQUIPMENT
TYPE: HI-PRESSURE WASHERS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Walter Kidde & Co., Inc. Electro-Magic Division P.O. Box 516 Vermillion, South Dakota 57069 Tel.(605) 624-2685 **ELECTRO-MAGIC HI-PRESSURE WASHERS** **MODELS 250, 606, 350, 2500, and 660**	**MODEL 351 DESCRIPTION** - 18 gallon self-contained chemical tank - twin piston, direct drive pump, delivers solutions and clear rinse water at 180 GPH, at 500 PSI - 30 feet of hose. **SPECIFICATIONS** Discharge Capacity: 3 GPM Operating Pressure: 500 PSI Pump: Twin piston, direct drive Motor: 1 HP, 115/230 V, 60 Hz., 1 phase capacitor start, automatic overload Hose: 1/ 4" x 30' high pressure Gun: Hi-pressure, with shut-off Nozzle: 0^{o}, 15^{o}, 40^{o}, 65^{o} turret Chemical Control: Precision metered injection, head and inlet flow control valve. Wheels: 8" Semi-pneumatic Net Weight: 127 lbs.	Rancher's Supplies Co. Ltd. 139 Millwick Drive Weston, Ontario Tel. (416) 741-0250

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MISCELLANEOUS EQUIPMENT
TYPE: STEAM CLEANER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Walter Kidde & Co., Inc. Electro-Magic Division P.O. Box 516 Vermillion, South Dakota 57069 Tel. (605) 624-2685 **ELECTRO-MAGIC STEAM CLEANER** **MODELS 60, 100, 150, 200, 1100, 1600, 3000**	**MODEL 200 SPECIFICATIONS**		Rancher's Supplies Co. Ltd. 39 Millwick Drive Weston, Ontario Tel. (416) 741-0250
	Discharge Capacity	60 GPH	
	Reservoir Capacity	6 gallons; continuous feed type, float control kerosene or No. 1 home heating fuel oil.	
	Burner	Oil fired, pressure atomizing type automatic ignition-fuel filter standard.	
	Controls	Safety release valve and rinse control.	
	Wheels	8 x 2.00 rubber (semi-pneumatic)	
	Pump Motor	1/4 HP, 1725 RPM, 115 V, 60 Hz. with automatic thermal overload	
	Fuel Consumption	1.65 GPH at 100 PSI	
	Steam Hose	1/2" ID x 1-1/8" OD x 20', fibre braid	
	Dimensions	Length 59½", width 29", height 35 3/4"	
	Net Weight	340 lbs.	

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MISCELLANEOUS EQUIPMENT
TYPE: CANOPY

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Logan Mining 5731 St.Augustine Rd. JACKSONVILLE, Florida 32207 Tel. (904) 731-0000 Cable: "LOGAN" FLOATING CANOPY SUBMERGED CANOPY	FLOATING CANOPY - Reinforced fireproof plastic-coated fabric inflated by a CO_2 cartridge or compressed air - Anchors (to adjust the canopy over the leak) - Weight, approx. 80 lbs. - Storage space: 4' x 3' x 2' SUBMERGED CANOPY - Constructed of a variety of materials including aluminum or plastic-coated fiber - Weight of the unit depends on the size of the pipe and depth of water (example: 12' pipe in 30' of water would require a unit weighing 70 lbs.). FOR ANNUAL LEASE WITH PREVENTIVE MAINTENANCE	Logan Mining

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MISCELLANEOUS EQUIPMENT
TYPE: PUMPS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Megator Corporation 136 Gam ma Drive Pittsburgh, Pa. 15238 Tel. (412) 963-9200 SNORE PUMPS	DETAILS - Self-priming - Simple and accessible - Can deal with high heads from 100' up to 250', and high suction lifts - Pumps thin or viscous liquids; clean or dirty. - Many models available.	Factory Representative: MSE Engineering Systems Ltd. 265 Canarctic Drive Downsview, Ontario M3J 2N7 Tel. (416) 661-5646 Telex: 065-23982

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MISCELLANEOUS EQUIPMENT

TYPE: PUMP (HAND)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Munster Simms Engineering Ltd. Old Belfast Road Bangor, N. Ireland Tel. Bangor 61531 (5 lines) Telex: 74678 WHALE GUSHER PUMPS "10" and "25"	- Model "G 25" double diaphragm - Hand pump on 3/4" plywood stand - Length: 25" - Width: 16" - Height: 11½" - 1½" Suction and discharge neoprene diaphragm - Handles solids in suspension to 3/4" - Maximum output, 30 GPM (US) normal 18 GPM (US) - Recommended for use with "SLURP SKIMMER" on small oil spills and for servicing interceptor tanks. - Equipped with special adapter suction end to take "SLURP" hose.	

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MISCELLANEOUS EQUIPMENT
TYPE: HAND MOP

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Mop, Incorporated P.O. Drawer "P" Belle Chasse, La. 70037 Tel. (504) 394-6110 Cable Address: OILMOP New Orleans Telex: 587-486 Answer Back: Oil Mop BCHA JIMBEAUX (Also other filters and oil spillclean up auxiliary equipment)	JIMBEAUX - Hand mop consisting of small ribbons of oil adsorbant fibres bound together for mounting on mop handle. - Mophead - 1 lb. capable of picking up 18 lbs. of oil (maximum) - Available with 5 ft. steel or 10 ft. wooden handle. - JX1 and JX2 hand wringers to suit above	Oil Mop Pollution Control Ltd. 1765 Shawson Dr., Unit 11, Mississauga, Ontario L4W 1N8 Tel. (416) 625-9421

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MISCELLANEOUS EQUIPMENT

TYPE: SURFACE SAMPLER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Recovery Systems, Inc., Greenville, New Hampshire 03048 Tel. (603) 878-2500 Telex: 92-8420	- Calibrated clear acrylic tube for taking rapid measurements of surface slicks. Ball-type valve opens to collect a sample then closes as sampler is lifted out by its 25 foot (7.6 metre) cord. Diameter is 1 3/4" available in lengths from 12 to 36 inches.	RNG Equipment Ltd. 32 Stoffel Drive Rexdale, Ontario M9W 1A8 Tel. (416) 249-7383 Telex: 02-29472

SURFACE SAMPLER

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MISCELLANEOUS EQUIPMENT
TYPE: CARRYING PAD and WRINGER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
R.B.H. Cybernetics (1970) Ltd. P.O. Box 4205 Postal Station "A" Victoria, B.C. V8X 3X8	GRABOIL CARRYING PAN - designed to carry up to seven saturated Graboil batts. Total weight: 60 lbs. - carrying handle swings out of way for nesting when not in use - jointed handle allows two men to carry it. GRABOIL WRINGER - manual operation - 16" wide rollers suitable for all sizes of Graboil - neoprene coated rollers resist effects of oils, acids, etc. - mounts on open-ended drum; no stand required.	R.B.H. Cybernetics (1970) Ltd. P.O. Box 4205 Postal Station "A" Victoria, B.C. V8X 3X8
GRABOIL CARRYING PAN GRABOIL WRINGER		

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MISCELLANEOUS EQUIPMENT
TYPE: BARGE or LANDING CRAFT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Rotork Marine Ltd. Hamworthy Poole, BH15 4NY Dorset, England Telephone: (020 13) 85581 Telex: 418281 SEA TRUCK ALSO: Rotork 408, 412, 508 and 512 Specification Scavenger 412 System	MK4 ROTORK SEA TRUCKS - Shallow draft, high load/high speed multi-role unsinkable fibreglass workboats with bow ramp and beaching facility. - Available in two lengths:	APPLY TO MANUFACTURER

	GS 8 Rotork Sea Truck 8 Metre	GS 12 Rotork Sea Truck 12 Metre
- Length: overall	24' 4"	36' 10"
at waterline	20'	31' 10"
- Beam	9' 10"	10'
- Height: of top rail from deck	31"	31"
of metacentre above centre of gravity	13' 4"	13' 4"
- Deck area	170 feet^2	287 feet^2
- Weight: Less engines	3,382 lbs.	5,412 lbs.
- Total Integral Foam Buoyancy	11,500 lbs.	19,500 lbs.
Draft - Max. load, out-drive up	12"	12"
- Max. load, out-drive down	33"	33"
- Max. payload	3 Tons	5 Tons

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MISCELLANEOUS EQUIPMENT
TYPE: PUMP (AIR OPERATED)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
The Warren Rupp Company P.O. Box 1568 Manfield, Ohio 44901 Tel. (419) 524-8388 Telex: 987-458 "SANDPIPER"	"SANDPIPER" 1½" Pump Model SB 1½-A, Type SB-3-A - Air operated - Aluminum construction - Fitted with ball valves and diaphragm of BUNA A - Operating pressures to 125 PSI - Handles solids up to 1/4" - Air inlet 1/2", female connection - Weight: 75 lbs. - Length: 15 - 3/8" - Width: 14 - 7/8" - Height: 14 - 3/8" - Operates dry without damage - Ideal for pumping oil or for use with "SLURP" Skimmer.	1) RNG Equipment Ltd. 32 Stoffel Drive Rexdale, Ontario Tel. (416) 249-7383 2) Rexin Equipment P.O. Box 311 Pickering, Ontario L1V 2R6 Tel. (416) 683-9631

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MISCELLANEOUS EQUIPMENT
TYPE: CATCH BASIN CAP

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Sanivan Marine, Inc. 1705 3rd Avenue P.A.T. Montreal, Quebec H1B 5M9 Tel. (514) 353-9170 Telex: 05-829559	Catch basin cap for oil spills on the road, and also for sewer protection during flooding periods, using the flood kit. - Dimensions: 36" dia. x 3" - Weight: 35 lbs. - Content: Water (Ethylene glycol added for cold climates).	Sanivan Marine, Inc. 1705 3rd Avenue P.A.T. Montreal, Quebec H1B 5M9 Tel. (514) 353-9170 Telex: 05-829559

SANITRAP

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MISCELLANEOUS EQUIPMENT
TYPE: CONTAINMENT and CLEAN-UP PACKAGE

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Seaward International, Inc.
6269 Leesburg Pike
Falls Church, Va. 22044

Tel. (703) 534-3500

Telex: 899-455

EMERGENCY RESPONSE SYSTEM

EMERGENCY RESPONSE SYSTEM

- this package includes: SLURP Oil Skimmer

Weight: 57 lbs.
Capacity: 44 gpm
Boom: 200' of 16" boom with end connectors
- Freeboard: 6"; Draft: 10"
Pump: double-acting diaphragm hand pump with a capacity of 37 gpm
Hoses: 1½" hoses and hose floats not affected by petroleum or most chemicals.

- storage box designed to double as a 440 gallon temporary storage container for the collected pollutant.

- a 20' positioning wand, which collapses for storage is included so as to guide the skimmer to where the pollutant is most concentrated.

Also available:

A skimmer only system consisting of a SLURP hose hand pump, wand and storage box.

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MISCELLANEOUS EQUIPMENT
TYPE: TRAILERS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
SLICKBAR, INC. P.O. Box 139 Southport, Conn. 06490 Tel.(203) 255-2601 MOBILE OIL SPILL RESPONSE TRAILER BOOM TRAILER	RESPONSE TRAILER - provides equipment necessary to contain and control an oil spill, - complete with 14' work boat, 1000' of oil boom, and a slick-skim oil recovery system - response capability is adaptable to unique situations. BOOM TRAILER - carries 1000' of oil containment boom as well as a complete slick-skim oil recovery system, - ideal for terminal that has several possible spill sites.	Industrial Plastics Canada, Limited P.O. Box 493, Fort Erie, Ontario L2A 5M6 Tel: (416) 871-0412

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MISECLLANEOUS EQUIPMENT
TYPE: PUMPS and FANS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
SLICKBAR, INC. P.O. Box 139 SOUTHPORT, Conn. 06490 Tel. (203) 255-2601 PUMPS: MODEL 60 & 160 OIL SPILL CONTROL FAN	PUMPS Model 60 - compact, portable - single diaphragm - pumps approx. 60 gpm - used with 3" suction hose - available with gasoline, diesel or electric drive. Model 160 - twin diaphragm - pumps approx. 160 gpm - used with 4" suction hose - available with various drives. CONTROL FAN - can be mounted on a trailer, boat or dock - used to herd oil into heavy concentrations around skimmer heads.	Industrial Plastics Canada, Limited P.O. Box 93 Fort Erie, Ontario L2A 5M6 Tel. (416) 871-0412

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MISCELLANEOUS EQUIPMENT
TYPE: SPILL KITS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Spill Control Company Sorbent Sciences Division 828 North Grand Avenue Covina, Calif. 91724 Tel. (273) 339-1259 MODEL 202: TRUCK SPILL KIT INDUSTRIAL KIT	TRUCK KIT - 1 squeeze pad (absorbs 7/8 gals.) - 3 pillows 10 sorbent sheets - ½" x 12" x 20" - 2 sorbent sponges - ½" x 5" x 7" - pick-up capacity of sorbent material included in kit is 21" x 10½" x 7½" INDUSTRIAL KIT - 3 gallon pail with grids for rapid recovery - Mop with handle - 4 sponges - 12 Sorb-A-Towels	1) Land & Lakes Environmental Service, 750 Himes S.E., Grand Rapids, Mich. 49508 Tel.(616) 243-4607 3) Marine Pollution Control 460 Terryville Road, Port Jefferson Stn. Long Island, N.Y. 11776 Tel.(516) 928-6222

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MISCELLANEOUS EQUIPMENT
TYPE: BARGE and DEBRIS COLLECTOR

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS			SUPPLIER
		DEBRIS COLLECTOR WITH HYDRAULIC LIFT	DEBRIS COLLECTOR WITH MANUAL LIFT	
Surface Separator Systems, Inc. 103 Mellor Avenue Baltimore, Maryland 21228 Tel. (301) 747-4744	Hull Length	30'	17'	Surface Separator Systems, Inc.
	Beam (molded)	12'	10'	
	Draft	4' 7"	1' 4"	
	Main Engine	170 cont. BPH @ 1800 RPM	20 HP	
	Light Ship Weight	14.5 LT	14.5 LT	
DEBRIS COLLECTOR WITH HYDRAULIC LIFT	Front Eng Loader (debris basket)	2,000 lbs. capacity	400 lbs.	
DEBRIS COLLECTOR WITH MANUAL LIFT	Fuel Oil Capacity	200 US gal.		

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MISCELLANEOUS EQUIPMENT

TYPE: TARPS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

The Tarp Shop
1160 Barmac Drive
Weston, Ontario
M9L 1X5

Tel.(416) 745-1811

Telex: 065-27194

TARPAULINS OF DUPONT NEOPRENE

SPECIFICATIONS

Colour:	Olive Green or Tan
Weight:	18.7 oz/sq. yd.
Core:	Enka Nylon
Coating:	Dupont Neoprene
Fire Resistance:	U.L.C. S-102-7
Temperature Range:	From -50°F to 160°F
Size:	Custom made
Qualities:	- Durable, high tear resistance - long life span - waterproof, mildew-proof - fire-resistant, ultra-violet ray resistant
Waterproof Qualities:	- 15 p.s.i. for min. 5 minutes

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MISCELLANEOUS EQUIPMENT
TYPE: STORAGE TANK

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Uniroyal, Inc. Engineering Systems Dept. 312 North Hill Street Mishawaka, Indiana 46544	MODEL	DIMENSIONS	Uniroyal Ltd. 2200 St.Catherine St.East Montreal, Quebec H2K 4G8 Tel.(514) 522-2111
	3,000	12' 2" x 17' 9" x 2' 4"	
	10,000	16' 0" x 28' 0" x 4' 0"	
	20,000	23' 4" x 38' 7" x 4' 0"	

STORAGE TANK

3,000

10,000

20,000

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

MISCELLANEOUS EQUIPMENT
TYPE: WORKBOAT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Versatile Environmental Products,
Sealander Marine Division,
60 Riverside Drive,
North Vancouver, B.C.
V7H 1T4

Tel: (604) 929-5451

Telex: 043-52686
BENNPOLL VCR

SEALANDER WORKBOATS

- Heavy duty, shallow draft landing craft with hand winch operated front loading ramp.
- Polyurethane foam/fibreglass construction with 20% reserve buoyancy to support full load with ramp open.

OPTIONS SUPPLIED

- Hull only.
- Open boat with steering station console/windscreen.
- Pilot house cabin.
- Passenger carrying and/or living modules.
- Power winch for dockside loading.
- Instruments and electronic equipment.
- Factory installed outboard motors, or gas or diesel inboard/outboard or jet propulsion systems.
- Extra heavy duty construction/protection options.

SEALANDER PRODUCTS ONLY

Keen Kraft Marine,
680 Front Street,
Frenchmans Bay,
Pickering, Ontario
L1W 1N8

Tel: (416) 849-2123 or 2131

Mr. James McKean, President

SEALANDER MODEL	18/1	22/2	26/3	27/4	30/4	37/8
Length: (ft. - in.)	18' - 4"	22' - 4"	26' - 4"	27' - 4"	30' - 4"	37' - 4"
Beam: (ft.)	8'	8'	8'	10'	8'	12'
Loaded speed (Knots) with suitable power	25	25	20	20	20	20
Capacity* (short tons)	1	2	3	4	4	8

* Rated capacity based on a vessel with typical power, fuel capacity and equipment, being operated in sheltered waters and having a buoyancy reserve of at least 20% of load.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

MISCELLANEOUS EQUIPMENT
TYPE: BOOM DEPLOYMENT UNITS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Vikoma International Ltd. Littleton Road Ashford Road Ashford, Middlesex England TW15 1UT Tel:Ashford (Middx) 45011 Telex: 887767 VIKINT G THE VIKOMA SEAPACK THE VIKOMA OCEANPACK NOTE: See also "Mechanical Booms" The Vikoma Seapack Boom	VIKOMA OCEANPACK - open sea boom and boom deployment (on board) module. Intended for high seas operations - comprising 500m of heavy duty boom and boom deployment, recovery and inflation with one man operator cab - boom of two tube configuration in heavy duty coated nylon - boom draught and freeboard total 44 in. - weight (all up) 5.5 tons - width: 2.5m (8' 3") - length: 5.2m (17' 3") VIKOMA SEAPACK - open sea boom and deployment unit - based on 6.9m (23') GRP hull with additional buoyancy contains 450 m (1476') of boom connected at one end to a diesel-driven fan and ducted propeller water pump - 450 m (1467') of boom deployed and inflated automatically in 10 mins. - weight: (all up) 4.5 tons - width: 2.9m (9' 6") - length: 6.9m (22' 8")	Marine Equipment Ltd. Barrington Commercial Centre 3695 Barrington Street Halifax, Nova Scotia B3K 2Y3 Tel.(902) 429-3240 Telex: 01922666 Contact: Mr. J. Mackey

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

MISCELLANEOUS EQUIPMENT
TYPE: BOOM DEPLOYMENT

UNITS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Vikoma International Ltd. Littleton Rd. Ashford Rd. Ashford, Middlesex England TW15 1UT Tel: Ashford (Middx) 45011 Telex: 887767 VIKINT G	VIKOMA COASTALPACK 250 metres (820 feet) of inshore/harbour/inland boom. Rapid deployment - typically 250 metres in 8 minutes. Complete with boom storage module, diesel/hydraulic power pack and boom deployed length control system. Weight (all up): 2,400 lbs. Width: 5 feet Length: 7.8 feet Height: 4.9 feet Boom Draught: 17 inches Boom Freeboard: 17 inches THE VIKOMA COASTAL PACK THE VIKOMA FAST BOOM LAYING VESSEL VIKOMA FAST BOOM LAYING VESSEL 450 metres (1,467 feet) of boom for rapid response inshore/harbour/coastal situations in a self contained 33 foot length 11.5 foot beam marine aluminum hull vessel. Twin 218 H.P. 6 cylinder turbo-charged diesel engines. Twin Jet Drives. Service speed 20 knots. Hydraulically powered boom deployment and recovery system. Total loaded all up weight 7.5 tons.	Marine Equipment Limited Barrington Commercial Centre 3695 Barrington Street Halifax, Nova Scotia B3K 2Y3 Tel.(902) 429-3240 Telex: 01922666 Contact: Mr. J. Mackey

PROVINCE OF ONTARIO CONTINGENCY PLAN
FOR SPILLS OF OIL
AND OTHER HAZARDOUS MATERIALS

SUPPLEMENT I

INFORMATION ON
COMMERCIALLY AVAILABLE
OIL SPILL CONTAINMENT
AND CLEAN-UP EQUIPMENT

October, 1981
Contingency Planning Section
The Ontario Ministry of the Environment

PREFACE

This publication is made available by the Ontario Ministry of the Environment for the purpose of providing some basic information on oil spill countermeasures equipment available commercially.

None of the equipment listed in this publication has been tested or checked in any way by this Ministry, and inclusion does not constitute the endorsement or approval of any product, manufacturer or supplier.

The material in this publication was compiled from brochures and other sales literature and serves as a supplement to the Province of Ontario Contingency Plan for Spills of Oil and Other Hazardous Materials.

Manufacturers of equipment not listed but wishing to be included in future updates of this publication should contact the:

Contingency Planning Section,
Pollution Control Branch,
Ministry of the Environment,
135 St.Clair Avenue, West,
TORONTO, Ontario
M4V 1P5

Telephone: (416) 965-3237

This publication is a revision of an earlier edition dated April 1979 and contains revisions up to September 1981.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Clark-Cutler-McDermott Co. P.O. Box 269 FRANKLIN, Mass. 02038 QWIK WICK	DESCRIPTION - felted oleophilic fibre - re-usable - for absorption of high and low viscosity oils - picks up its total oil capacity in one minute - picks up 16 times its own weight - available in rolls approximately 50 sq.yds./roll, (36" x 50 yds.), as well as in pads 18" x 18"	Clark-Cutler-McDermott Co., P.O. Box 269, FRANKLIN, Mass. 02038

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

Petroleum Absorbent Material

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Clean Water, Inc.
Court House Square
P.O. Box 1002,
TOMS RIVER, New Jersey 08753

Tel: (201) 341-3600

SORBENT "C"

DESCRIPTION

- fibrous material composed of natural fibers and perlite
- hydrophobic
- oleophilic
- absorbs 8 - 10 times own weight
- not bio-degradable

SPECIFICATIONS

Size:	Loose, fibrous mass, largest dimension 1/8" with about 3/4" mesh (max.)
Density:	4.25 lbs./cu.ft.
Absorption:	An 18 pound bag, depending on the viscosity of the petroleum product and the temperature of the air and water, will absorb approximately 10-15 gallons of #6 oil and 14-30 gallons of #2 oil, light crude oil, gas oil, jet fuel and gasoline.

Floating oil absorbent filter booms containing sorbent "C": - 5' long x 8" in diameter.

1) McAllister Towing & Salvage Ltd.
410 St.Nicholas Street
MONTREAL, Quebec H2Y 2P5

Tel: (514) 849-2221

2) McAllister Towing & Salvage Ltd
1 Gore Street
KINGSTON, Ontario K7L 2L1

3) Hayes Stuart & Co. Ltd.,
100 Dixie Plaza
1250 South Service Road
MISSISSAUGA, Ontario L5E 1V4

4) Clean Water, Inc.
Court House Square
P.O. Box 1002
THOMS RIVER, New Jersey 08753

Tel: 24-hours (201) 341-3600

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Conwed Corporation 332 Minnesota Street P.O. Box 43237 St.PAUL, Minnesota 55164 Tel: (612) 221-1100 **CONWED PETROLEUM** **SORBENT PRODUCTS**	- Can pick up 22 times its weight in oil - Can be burned with less than 4% residual ash - Manufactured from a non-toxic bio-degradable vegetable fibre with water resistant treatment. - The absorbed oil can be pressed out and reclaimed and the sorbent pads can be re-used several times. - Available as: Booms 8" dia. x 10" long Blankets 35" x 200' x 1/4" Pads 17.5" x 17.5" x 1/4" Sweeps 17.5" x 17.5" x 1/4" with grommets for line attachment. Continuous Sweeps 21" x 100' x 1/4" with braided tape strengthener and connecting ties. Pillows 12" x 18" x 4" Strips 3" x 26" x 1/4" Fill Pipe Pads 17.5" x 17.5" x 1/4" with 2 3/4" hole in centre. - D-Sorbent 21" x 21" durable polyethylene foam - Petro-Mesh Viscous oil absorbent - Sorbent Rug 40" x 300' walkway areas.	1) CIL P.O. Box 200, Station "A" 45 Sheppard Avenue, E., WILLOWDALE, Ontario M2N 5S8 Tel: (416) 226-6110 2) CIL-B.C. 2940 Fisher Road S.E. Calgary, Alberta Tel: (403) 253-8261

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Dambarr Industries Limited BARRIE, Ontario PETROSORB	PETROSORB - Petroleum and chemical absorbent - Facilitates removal and disposal of spilled contaminants from land, water, asphalt, concrete, snow and ice. - Appreciable quantities may be reclaimed. - Non-toxic - Non-corrosive - Fire retarded - Unlimited storage life. - Available in granules	Comco Service Station Construction and Maintenance Ltd. 248 Vespra Street, BARRIE, Ontario L4N 2H2 Tel: (705) 728-0905 Atten: Mr. Maurice Keogh

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Diamond Shamrock Corporation, 351 Phelps Court, P.O. Box 2300, Irving, Texas 75061 Tel: (214) 659-7000 HAZORB	HAZORB UNIVERSAL SORBENT - A non-selective, universal sorbent, supplied in pillows and in loose form. - Picks up between one and 2.7 gallons of liquid per pillow. Material: Amorphous inorganic foam particles contained in an inert, porous fabric pillow. Pillow size: 17" x 26" x 2" Pillow volume: 1/2 cu.ft. (approximately 1 lb.) Shelf life: Indefinite Toxicity: Low	Diamond Shamrock Canada Ltd. 251 Consumers Road, Willowdale, Ontario Tel: (416) 491-0371

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

E.I. DuPont de Nemours & Co.
Polymer Products Dept.
Flexible Packaging Division
WILMINGTON, Delaware 19898

Tel: (302) 999-2742

(9-1)

MICROFOAM

DESCRIPTION:

- A white sheet of closed cell polypropylene foam which is hydrophobic and oleophilic

SPECIFICATIONS:

- Density: 0.7 pcf
- Adsorbs between 20 to 40 times its weight
- Chemically inert
- Thermally stable
- Disposal, above 300°F starts to shrivel
- At elevated temperature, Microfoam contaminated with oil, will melt to form a slurry which then remains as a slurry at room temperature. In this form, the volume is greatly reduced and disposal is facilitated.

PACKAGING:

- Available in rolls or sheets up to 72" wide
- 30" dia. x 72" wide roll weighs 20 lbs.
  54" dia. x 72" wide roll weighs 65 lbs.
- 1/32", 1/16", 3/32", 1/8", 3/16" and 1/4" thicknesses

1) Casselman Co., Ltd.
76 Miranda Avenue
TORONTO, Ontario
M6E 4G6

Tel: (416) 783-6171

2) Casselman Co., Ltd.
5786 Rue Pare
Ville Mont-Royal
MONTREAL, Quebec H4P 2M2

Tel: (514) 735-4133

3) Casselman Co., Ltd.,
Variety Mills Supply Co. Div.,
35 Paramount Road,
WINNIPEG, Manitoba R2X 2W6

Tel: (204) 633-9318

4) Casselman Co., Ltd.,
4004 - 99th Street,
EDMONTON, Alberta T6E 3N5

Tel: (403) 462-4622

5) Heat Sealing Equipment (Canada) Ltd.
61 Alness Street, Suite #201
DOWNSVIEW, Ontario M3J 2H2 (416) 667-1722

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Mop, Inc. Engineers Road Post Office Drawer "P" Belle Chasse, La. 70037 24-hr. Tel: (504) 394-6110 Telex: 587486 Cable Address: OILMOP New Orleans	A 1/2 lb. cluster of oleophilic-hydrophobic (attracts oil-rejects water) polypropylene fibres which is especially effective in adsorbing high viscosity oils. Re-usable by wringing out in OMI hand wringers or mop engines. Inert and non-toxic. SPECIFICATIONS 24.75 lbs. of #6 oil recovered by 1 lb. of sorbaide at 78°F. This recovery rate enhanced by lower temperatures.	Oil Mop Pollution Control Ltd. 1765 Shawson Drive Unit 11 Mississauga, Ontario L4W 1N8 Tel: (416) 625-9421

SORBAIDE

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENTS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Omni-Tech International Corp. 100 Mercer Street SEATTLE, Washington 98109 Tel: (206) 282-1275	SORB-BOOMS - 20' sections of sorbent barrier 8" dia. enclosed in open mesh, knotless nylon cover. - ¼" braided rope through full length of boom. - two 20' sections per carton plus one 10' x 10' heavy plastic wrap. MINI-PAK - 1-20' section of Sorb-Boom - 1-20 lb. bag Sorb-Oil-Chips - 4-18" Sorb-Oil Swabs, 8" dia. - 1-10' x 10' plastic wrap CHIPS - 45 lb. cartons - 8 per pallet - Sorb-Oil shredded into small, random sizes SWABS - 14 Swabs per carton - 12 cartons per pallet - 18" long x 18" dia. in open mesh nylon cover MATS - 22" x 28" x 1/4" of Sorb-Oil - 45 per box - 12 boxes per pallet	The McArthur Chemical Co. Ltd. 62 Arrow Road WESTON, Ontario M9M 2L9 Tel: (416) 741-9190
SORB OIL		

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Parker Systems, Inc.
P.O. Box 1652
Norfolk, Virginia 23501

Tel: (804) 485-2952
(24-hour number)

- consists of flat oleophilic-hydrophobic plastic filaments in 1/2 lb. "Snares".
- non-toxic, non-scattering, inert adsorbent.
- 2 to 5% of the bulk of recovered material
- Re-use by draining or dousing with #1 or 2 oil to remove the heavy oils.

TYPICAL RECOVERY RATES

#6 Oil: 64 lb @ 35°F, 32 lb @ 70°F.
#5 Oil: 24 lb @ 70°F, 16 lb @ 82°F.
#4 Oil: 18 lb @ 65°F
ALASKAN CRUDE: 40 lb @ -2°F

SPECIFICATIONS

Carton of 30 Snares (0.5 lb. each)
Weight: 17 lb.
Size: 20" x 19" x 8.75" (1.9 cu.ft.)
Density: 9 lb/cu.ft.

OILSNARE

(6-1)

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENTS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Peabody Clean Industry, Inc. 170 Border Street EAST BOSTON, Mass. 02128 Tel. (617) 567-6500	- Polyurethane absorbent granules - Each bag will selectively absorb ten times its own weight of pertroleum or other non-aqueous liquid. - A full bag weighs approximately 30 lbs. - Supplied packed in boxes of 20 each. - Individual pillow weighs 3 lbs. (dry) - Dimensions: 22" x 30" x 4" - Hydrophobic - Not bio-degradable, non-toxic	Peabody Clean Industry, Inc. 170 Border Street, EAST BOSTON, Mass. 02128 Tel. (617) 567-6500

COASTAL PACK

ABSORBENT PILLOWS

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE TYPE: SORBENT

MANUFACTURER AND TRADE NAME		TECHNICAL DETAILS	SUPPLIER
Petro-Trap Westport, Mass. 02790 Tel: (617) 675-7831	N1S 3700 A	"Commercial Model" - 18" x 30" x 3". Weighs 1 lb. with attachable ropes. Catches 36 lb. of #2 fuel oil. Re-usable. 5 per bundle.	
	N1S 3700 B	"The Trucker" - 9" x 30" x 3". Re-usable. 12 per carton.	
	N1S 3700 C	"Pit Boss" - 9" x 14" x 3". Collects oil and chemicals. Available with a vapor barrier for volatile liquids. 36 per carton.	
	N1S 3700 D	"Drip Pad" - 16" x 24" x 1". Oil and vapor holding barrier on one side for recovery of volatile and heavy liquid oils. 20 per carton.	
PETRO-TRAP	N1S 3700 E	"Hand Pad-Test Specimen" - 5" x 6" x ½" for small spills and sampling.	
	N1S 3700 F	"Slick Pad" - 16" x 24" x 1". With 2 brass bolt mounting holes for attachment to snap lines or conveyor belts of continuous automatic recovery systems. 20 per carton.	
	N1S 3700 G	"G-Boom" - 9" x 48" x 3". Also, 9" x 96" x 3" heavy duty sorbent boom. Folds into sections for deployment. 9" x 48" x 3" boom. 10 per carton.	

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
R.B.H. Cybernetics (1970) Ltd. P.O. Box 4205 Postal Station "A" VICTORIA, B.C. V8X 3X8	- Polyurethane foam with oleophilic coating - Density: 1.3 lbs./ft^3 - Absorbs up to 40 times its own weight - Oil recovery by pressing - Oleophilic, hydrophobic - Available in: 1' x 2' x 1" Batts (50 per pkg.) 2' x 1' x 25' Rolls (2 per pkg.) 6" x 2" x 25' Rolls (4 per pkg.) (for use as an absorbent boom)	R.B.H. Cybernetics (1970) Ltd.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Slickbar, Inc. P.O. Box 139, SOUTHPORT, Conn. 06490 Tel: (203) 255-2601 **SLIKWIK**	**DESCRIPTION** - ground lighter fractions of corn cobs - non-toxic, bio-degradable **SPECIFICATIONS** Size: - packaged in bag weighing 37 lbs. each - 4 ft. ^{3}/bag Density: - 9 lbs./ft^3 Absorption: - one bag will absorb up to 25 gallons of oil.	Industrial Plastics Canada Limited, P.O. Box 93, FORT ERIE, Ontario L2A 5M6 Tel: (416) 871-0412

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENTS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Spill Control Company Sorbent Sciences Division 828 North Grand Avenue COVINA, Calif. 91724 Tel: (213) 339-1259	- available in pads, pillows, sheets, bags and strips - re-useable - polyurethane and polyether bases	1) Land & Lakes Environmental Service, 750 Himes Street, E., GRAND RAPIDS, Michigan 49508 Tel: (616) 243-4607 2) Marine Pollution Control 460 Terryville Road Port Jefferson Station LONG ISLAND, New York 11776 Tel: (516) 928-6222 Warehouse Address: Spill Control Company Route #1, Box 15-C Old Baton Rouge Highway HAMMOND, La. 70401 Tel: (504) 345-0762

TYPE SS-SORBENT STRIPS (1/2" x 3/4" x 14")

TYPE SP-SORBENT PILLOW

TYPE SWS-SORBENT WATER SWEEPER

TYPE SS-SORBENT SHEETS

TYPE SS1-SORBENT SHEETS

TYPE S-SORBENT SPONGE

TYPE FPD-FLOATING SORBENT PAD

TYPE PEP-LIGHT VISCOSITY SORBENT PAD

TYPE SPD-SORBENT PAD

TYPE GAS-PAD (1" x 12" x 12")

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
3-M Canada, Inc. P.O. Box 5757 LONDON, Ontario N6A 4T1 Tel: (519) 451-2500	- For picking up oil solvents, lubricants - Hydrophobic, oleophilic, microfibrous (100% synthetic polymeric fibre) - In storage resists temp., humidity, rodents, insects, fire. - Remains strong, buoyant after saturation. - Holds oil until removed. - Re-usable after oil removed by wringer, squeeze roll, centrifuge or solvent. - Can be recycled, incinerated or buried. TYPES AVAILABLE a) rolls b) sweeps c) sheets d) pillows e) sorbent booms DENSITY 3 - 4 lbs. per cu.ft. ABSORPTION 10-24 times own weight	Anco Chemicals Ltd. 85 Malmo Court, P.O. Box 400, MAPLE, Ontario L0J 1E0 Tel: (416) 832-2276 Atten: J. Kinch K. O'Donnell
3-M OIL SORBENTS	3-M TYPE #356 VISCOUS SORBENT PADS DETAILS - for picking up heavy crudes, Bunker "C", #6 - hydrophobic, oleophilic net construction - 100% synthetic, polymeric mesh - high net strength of net-like fibres which have break-away properties when snagged on pier nails and/or rocks - 3 oz. (85 g) per pad TYPES AVAILABLE - 32" x 24" pads packaged 25 and 100 per box	ABSORPTION - 50 to 250 times its weight, depending on oil viscosity.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

3-M Canada, Inc.
P.O. Box 5757
LONDON, Ontario
N6A 4T1

Tel: (519) 451-2500

(1-16)

3-M OIL SORBENT

"3M OIL SORBENT

TYPE	SHIPPING UNIT	PRODUCT DIMENSIONS			SHIPPING WEIGHT	
		THICK-NESS	WIDTH	LENGTH	LBS.	KG.
TYPE 100 Rolls	Roll	3/8" 1 cm	36" 91 cm	150' 46 m	40	18.1
TYPE 126 Sweeps	Bale	3/8" 1 cm	19" 48 cm	100' 30 m	17	7.71
TYPE 151 Sheets	200 Sheets / Bale	3/16" 0.5 cm	18" 46 cm	18" 46 cm	20	9.07
TYPE 156 Sheets	100 Sheets / Bale	3/8" 1 cm	18" 46 cm	18" 46 cm	20	9.07
TYPE 157 Sheets	50 Sheets/ Bale	3/8" 1 cm	36" 91 cm	36" 91 cm	40	18.1
TYPE 210 Particulate	25 lb. Bag	---	---	---	25	11.3
TYPE 240 Pillows	10 Pillows per Bale	5" 13 cm	14" 35 cm	25" 63 cm	25	11.34

Anco Chemicals Ltd.
85 Malmo Court
P.O. Box 400
MAPLE, Ontario
LOJ 1E0

Tel: (416) 832-2276

Atten: J. Kinch
H. O'Donnell

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

3-M Canada, Inc.
P.O. Box 5757
LONDON, Ontario
N6A 4T1

Tel: (519) 451-2500

3M OIL SORBENT

"3 M OIL SORBENT (continued)

TYPE	SHIPPING UNIT	PRODUCT DIMENSIONS			SHIPPING WEIGHT	
		THICK-NESS	WIDTH	LENGTH	LBS.	KG.
TYPE 270 Sorbent Booms	4 Booms per Bale	8" 20 cm	N/A N/A	10' 3m	47	21.3
TYPE 356-S Pads	25 Pads per box	N/A N/A	24" 61 cm	32" 81 cm	6	2.7
TYPE 356-C Pads	100 Pads per box	N/A N/A	24" 61 cm	32" 81 cm	24	10.8
TYPE 500 Rolls	Rolls	3/8" 1 cm	36" 91 cm	150' 45 m	40	18.1
TYPE 551 Sheets	50 Sheets per Bale	3/16" 0.5"	18" 45 cm	18" 45 cm	5	2.3
TYPE 556 Sheets	25 Sheets per Bale	3/8" 1 cm	18" 45 cm	18" 45 cm	5	2.3

Anco Chemicals Ltd.
85 Malmo Court
P.O. Box 400
MAPLE, Ontario
LOJ 1E0

Tel: (416) 832-2276

Atten: J. Kinch
H. O'Donnell

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SORBENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
The Travelon Oil Company P.O. Box 7 Rochester, New York 14601	DESCRIPTION - a granular Attapulgite Fullers Earth mineral absorbent - light density - non-flammable SIZE - packed in 50 lb. bags ABSORPTION - high absorptive properties for oil, grease, water and other liquids.	The Travelon Oil Company (Canada), Box 246, Adelaide Street P.O. Toronto, Ontario M5C 2J4 Tel:(416) 368-4400
TRAVELON TRAVELON OIL ABSORBENT PREMIUM GRADE ALL-PURPOSE TYPE		

BOOMS

Manufacturer	Product	Page
Acme Products Co.	Flexible booms	1
Albany International	Oil fence booms	2
American Marine, Inc.	Flexible booms	3
Clean Water, Inc.	Offshore and harbour booms	4
Containment Systems, Corp.	River, performance, fence and harbour booms	5
Crowley Environmental Services Corp.	Petro-barrier booms	6
Goodyear Aerospace Corp.	Sea-Sentry booms	7 - 8
Hurum Engineering Ltd.	Standard, high sea, silt and permanent booms	9 - 13
Hyde Products, Inc.	Troilboom	14
JPS Equipment, Inc.	Heavy duty booms	15
Kepner Plastics Fabricators, Inc.	Sea-Curtain booms	16
Logan Mining	Flexible booms	17
Megator Corporation	Mini-booms	18
Nordan Oil Pollution Control	Boom pack, winder, trailer	19
Parker Systmes, Inc.	Heavy duty, regular, basin and bantam booms	20
Peabody Clean Industry, Inc.	Flexible booms	21
Pollution Booms	Pollution booms	22
Seaward International, Inc.	Sea Fence booms	23
Skimmex Limited	Variety of booms	24 - 25
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BOOMS (Continued)

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Tampella Textile Mills	Guard booms	29
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Versatile Environmental Products Co.	Inshore, harbour and self-inflating booms	32 - 33
Vikoma International Ltd.	Flexible booms	34

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: FLEXIBLE BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Acme Products Co. 2666 N. Darlington Ave. P.O. Box 51388 Tulsa, Okla. 74151 Tel. (918) 836-7184 ACME OK CORRAL BOOM	- Flotation:	Dow Ethafoam thermal sealed in "JaTon" fabric	Industrial Mechanical Specialties Limited, 33 Glencameron Road, Thornhill, Ontario Tel. (416) 889-5237 Atten: Mr. Roy Dunne Res: (416) 251-2333
	- Curtain:	"JaTon" - 840 Denier nylon, coated with polyvinyl-chloride	
	- Ballast:	3/16" galvanized chain sewn into trailing edge of skirt.	
	- Webbing:	2" wide nylon with 6,000 lbs/sq inch strength	
	- Colour:	International Yellow	
	- Weight:	Depends on flotation and curtain size, eg. 6" flotation x 12" skirt is 1.5 lb/ft. with chain ballast	
	- Storage:	Flotation logs are 9' or 4½' (500' of 6" boom) with 9' logs and 12" skirt can be stored in 5' x 5' x 10' space).	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Albany International
Technical Fabrics Division
P.O. Box 1062
Buffalo, N.Y. 14240

Tel: (716) 824-8484

Telex: 91-6474

OIL FENCE

SPECIFICATIONS

- Height: 24 in.
- Draft: 12 in.
- Freeboard: 12 in.

Standard lengths: 100 ft.
Weight per 100 ft.: 375 lb.
Storage volume
per 100 ft.: 70 cu.ft.

Nominal tensile strength,
- per inch of width: 1,800 lb.
- overall per pound: 48,000 lb.

Available buoyancy per 100 ft.: 1,500 lb.
Dry storage temperatures: -90°F to +150°F.

MATERIALS

Floatation: Polyethylene floats filled with rigid urethane foam.
Axle: Reinforced isopthalic polyester resin.
Mooring rings: Lock rings and float washers Dupont "Supertough" 801 Nylon.
Stabilizer Nuts and Bolts: Dupont "Zytel" 101 glass reinforced
End connector: Geon 8700A high density PVC.
Metal parts: 316 stainless steel
Fabric: Woven polyester impregnated with polyurethane.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS						SUPPLIER
		SIMPLEX	OPTIMAX	SUPERMAX	AIRMAX	MINIMAX	
AMERICAN MARINE, INC. 401 Shearer Boulevard COCOA, Florida 32922 Tel: (305) 636-5783	BOOM LENGTH	100'	100'	50'	100'	100'	American Marine of Canada, P.O. Box 1660, KINGSTON, Ontario Tel. (613) 389-3118
	DRAFT	12"	12"	24"	18"	11"	
	FREEBOARD	6"	7"	12"	12"	6"	
	HEIGHT	18"	19"	36"	36"	17"	
	FLOTATION ELEMENT	-----Dupont Sheet Microfilm-----			Air Bladder	Dow Ethafoam	
	FLOTATION SHAPE	----------CYLINDRICAL----------				Rectangular	
SIMPLEX	FLOTATION LENGTH	7'	7'	7'	100'	4' 6"	
OPTIMAX	FLOTATION WIDTH	6"	6"	12"	12"	1¼"	
SUPERMAX	WEIGHT	2 lbs/ft.	2.3 lbs/ft.	3.9 lbs/ft.	2.5 lbs/ft.	1.2 lbs/ft.	
AIRMAX	MATERIAL	18 oz.	18 oz.	22 oz.	22 oz.	22 oz.	
MINIMAX	BALLAST	¼" chain	5/16" chain	5/8" cable	5/16" chain	3/16" chain	
	TENSION LINE	¼" chain	5/16" chain + 5/16" cable	5/8" cable	5/16" chain	3/16" chain + 7/32" cable	
	COLOUR	----------YELLOW----------					
	FABRIC STRENGTH	310 lbs/in.	500 lbs/in.	500 lbs/in.	500 lbs/in.	500 lbs/in.	
	TENSILE	13,950 lbs.	24,500 lbs.	37,000 lbs.	13,950 lbs.	14,100 lbs.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOMS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Clean Water, Inc. Court House Square P.O. Box 1002 TOMS RIVER, N.J. 08753 Tel. (201) 341-3600 (24 hrs: 7 days/wk) *OFFSHORE (Inflatable 110' Boom) Box dimensions 46½" wide, 46½" long, 28" high HARBOUR BOOM, 100' 9' long, 3'4" wide, 1'6" high **OFFSHORE BOOM 2 chains, one under each side of the flotation unit. *** HARBOUR BOOM tension 2 - 3/8" diameter stainless steel air craft cable.		OFFSHORE (INFLATABLE BOOM)	HARBOUR BOOM	McAllister Towing & Salvage Ltd. Agents for: Clean Water, Inc. 410 St.Nicholas St., MONTREAL, Quebec H2Y 2P5 Tel. (514) 849-2221 McAllister Towing and Salvage Ltd., 1 Gore Street, KINGSTON, Ontario K7L 2L1 Clean Water, Inc., Court House Square P.O. Box 1002 TOMS RIVER, N.J. 08753
	Boom Length	55' sections in 10' sections	50' sections	
	Draft	2'	2'	
	Freeboard	12"	8"	
	Total Height	36"	32"	
	Flotation Element:	Double chamber air, inflatable compartments	18" long, plastic float cylinders	
	Flotation Shape:	Cylindrical	Cylindrical	
	Flotation Width:	12"	6"	
	Overall Weight:	6.22 lbs/ft. to 7.46 lbs/ft.	2.04 lbs/ft.	
	Stowage:	*	*	
	Material:	0.070 gauge, nylon reinforced oil resistant rubber.	Oil resistant nylon reinforced PVC fabric cloth	
	Ballast:	3/8" galvanized steel chain	1/4" galvanized steel steel chain	
	Tension Line:	**	***	
	Colour:	Black with 6" gold vertical stripes	International Orange	
	Fabric Strength	600 lbs/in.	275 lbs./in.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS			SUPPLIER
Containment Systems, Corp. P.O. Box 1390 658 So. Industry Road Cocoa, Florida 32922 Tel: (305) 632-5640 Telex: 566-535	OIL SPILL CONTAINMENT BOOMS	FREEBOARD (in.)	DRAFT (in.)	
	RIVER BOOM	7	12	
	PERFORMANCE BOOM	6	12	
	FENCE BOOM	6	12	
	HARBOR BOOM	12	24	

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Crowley Environmental Services Corporation P.O. Box 4864 Eureka, Ca. 95501 Tel: (707) 445-2220	A floating containment boom available in 36" and 24" size, in 100 ft. lengths.	R.G. Metz Corporation 3914 Miami Road Cincinnati, Ohio 45227 Tel: (513) 271-2468

PETRO BARRIER

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

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MANUFACTURER AND TRADE NAME

Goodyear Aerospace Corp.
Engineered Fabric Div.,
ROCKMART, Georgia 30158

Tel: (404) 684-7855

SEA - SENTRY

TECHNICAL DETAILS

SPECIFICATIONS	14-24	29-36
Boom Length	55' Sections	202' Lengths
Draft	24"	36"
Freeboard	14"	29"
Total Height	38"	65"
Flotation Element	Dual Air Chamber	Dual Air Chamber
Flotation Shape	Cylindrical	Cylindrical
Flotation Length	10'	9.2'
Flotation Width	14"	29"
Overall Weight	8.8 lbs/ft.	14.7 lbs/ft.
Stowage	76" x 64" x 32" (110')	120" x 91" x 48" (202')
Material	Nitrile-PVC Blend 0.070 and 0.073 Gauge oil-resistant rubber on nylon fabric (100% vulcanized)	
Ballast	1/2" Gal chain (32,500 lb)	Bottom tension chain
Tension Line	Two 1/2" Kevlar rope with resistant jacket.	One 3/4" bottom tension chain and diagonal net.
Colour	Black w/6" yellow stripes	Black w/yellow floats
Fabric Strength	600 x 600 lbs/in. width	1200 x 1200 lbs/in. width
Puncture Resistance	1600 PSI	1600 PSI
Working Load	66,500 lbs.	69,500 lbs.

SUPPLIER

Goodyear Canada, Inc.
General Products Div.
3050 Lakeshore Blvd.W.
TORONTO, Ontario

Atten: Special Products
Marketing

Tel: (416) 252-4441

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Goodyear Aerospace Corp. Engineered Fabric Div. ROCKMART, Georgia 30158 Tel: (404) 684-7855 SEA-SENTRY	SPECIFICATIONS	9-18	12-24	Goodyear Canada, Inc. General Products Div. 3050 Lakeshore Blvd.W. TORONTO, Ontario Atten: Special Products Marketing Tel: (416) 252-4441
	Boom Length	68' sections	55' sections	
	Draft	18"	24"	
	Freeboard	9"	12"	
	Total Height	27"	36"	
	Flotation Element	Single Air Chamber	Dual Air Chamber	
	Flotation Shape	Cylindrical	Cylindrical	
	Flotation Length	9' 6"	10'	
	Flotation Width	8"	12"	
	Overall Weight	5.3 lbs/ft.	8.5 lbs/ft.	
	Stowage	60" x 40" x 32" (136')	76" x 64" x 32" (110')	
	Material	Nitrile-PVC Blend 0.070" gauge oil-resistant rubber on nylon cloth (100% vulcanized).		
	Ballast	One 1/4" Hi-Test Gal. chain	One 1/4" Hi-Test Gal. chain	
	Tension Line	One 3/8" Hi-Test Gal. chain	Two 3/8" Hi-Test Gal. chain	
	Colour	Black w/6" wide Yellow stripes	Black w/6" wide Yellow stripes	
	Fabric Strength	600 x 600 lbs/inch width	600 x 600 lbs/inch width	
	Puncture Resistance	1600 PSI	1600 PSI	
	Working Load	Tension chain = 5100 lbs.	10,200 lbs. (Two (2) chains)	

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS					SUPPLIER
Hurum Engineering Ltd. 300 Ste. Sacrement St. Suite 119, MONTREAL, Quebec H2Y 1X4 Tel. (514) 284-0691 Telex: 055-60312	Boom Sizes	14"	18"	24"	36"	Hurum Engineering Ltd.
	Section Length	50'	50'	50'	50'	
	Freeboard	4 3/4"	6"	8"	12"	
	Draft	9 1/4"	14"	16"	24"	
	Strength Members	1/8" — Steel Cables		1/4" — Steel Cables		
	Flotation Ethafoam	2"	2"	3"	3" (Diameter) 4" (Diameter also available)	
FLEXY STANDARD FLEXY SPECIAL FLEXY SKIRT BOOM FLEXY EASY STOW & FLOW OIL BOOM	Material Double Ply	PVC NYLON FABRIC OR NEOPRENE RUBBER				
	Ballast	LEAD WEIGHT POURED ONTO BOTTOM STEEL CABLE				
	Colour	YELLOW. (ORANGE ON SPECIAL REQUEST)				
	Weight per Foot	1.0	1.5	2.6	3.0 (pounds)	

Also available in 72" size. FLEXY Special (Heavy Duty) available in 14", 24", and 36". FLEXY Skirt Boom available in 6" and 8". FLEXY Easy Stow and Flow Oil Boom available in 14" and 18", and widely used as tanker boom. ALL FLEXY Standard booms are interchangeable and can be used together with step up/down connectors. FLEXY Oil Boom is also available in Polyurethane coated nylon fabric for extreme cold temperatures.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Hurum Engineering Ltd.
300 St.Sacrement Street,
Suite 119
MONTREAL, Quebec

Tel. (514) 284-0691

Telex: 055-60312

FLEXY HIGH SEA OIL BOOM

Specifications:

One section	50' long
Overall height	6'
Freeboard	2' 0"
Draft	4' 0"
Fabric	PVC or Neoprene
Stiffeners	Aluminum channels, back to back
Strength Members	Steel cable top, chain bottom
Reinforcements	Nylon webbing, top and bottom
Wear Resistance At Water Line	H.D. Nylon webbing, both sides
Flotation	Inflatable plastic floats on outriggers
Stabilizers	Sea anchor, both sides at bottom
Weight	Approximately 12 lbs/ft.
Storage and Transportation	Special for each application

This boom installation used with FLEXY Wave Breaker installation. Makes a complete heavy weather installation.

Hurum Engineering Limited

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Hurum Engineering Limited 300 St.Sacrement Street Suite 119 MONTREAL, Quebec H2Y 1X4 Tel. (514) 284-0691 Telex: 055-60312	FLEXY SILT BOOM Silt Boom made of PVC nylon or Neoprene rubber, as required. Section Length: 50' Freeboard: 12" Draft: As required Strength Members: Steel cable, coated on top, chain at bottom Flotation: Ethafoam Material: PVC Nylon or Neoprene rubber Ballast: Chain Colour: Yellow - Other colour optional Weight per foot: ---------- Filter Curtain: Special to balance water flow Installation: Arrangements available on request This type of FLEXY boom mainly used in dredging operations, protection of beaches, fish hatchery, oyster beds, and other applications where water contamination can be controlled to confined areas.	Hurum Engineering Limited

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Hurum Engineering Limited 300 St.Sacrement Street Suite 119 MONTREAL, Quebec H2Y 1X4 Tel. (514) 284-0691 Telex: 055-60312	FLEXY PERMANENT FIBREGLASS BOOM	Hurum Engineering Limited

Standard sizes:	14"	18"	24"	36"
Section lengths:	20'	20'	20'	20'
Freeboard:	4"	6"	8"	12"
Draft	10"	12"	16"	24"

Strength Members, Top: 1/4" Steel cable, coated

Strength Members, Bottom: 1/4" Galvanized chain in PVC tube

Flotation: 4" diameter, Eathafoam in tube, both sides

Material, Double Ply: 3 - 4mm Fibreglass

Ballast: Chain

Colour: Yellow

Weight: ----------

This boom used as a permanent boom for all types of applications where extreme environmental conditions require a heavy duty wear-resistant boom. Also, used as a permanent deflector boom in strong currents.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM ACCESSORIES

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Hurum Engineering Limited 300 St.Sacrement Street Suite 119 MONTREAL, Quebec H2Y 1X4 Tel. (514) 284-0691 Telex: 055-60312	The following accessories and parts are available upon request: - paravanes, aluminum - towing devices and bars, aluminum - anchoring buoy, aluminum - dock side attachments, aluminum, various types - anchors, steel; 50 & 100 lbs.; Admiralty type - towing line, 250', 5/8" dia. polyrope (any type and length) - towing bridle, short and large; 5/8" dia. polyrope - flashing light, complete with bracket and batteries - joint clamps, aluminum; for 14", 18", 24" and 36" oil boom - boom adaptors, aluminum, 14", 18", 24" and 36" - floats for joint clamps; red inflatable float - anchor markets, complete with shackles - valves - plastic caps for 1/4" and 1/8" diameter cable; large and small type - galvanized shackles, 1/4", 3/8" and 1/2"; anchor type - stainless steel snaps for quick connections (instead of shackles)	Hurum Engineering Limited

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Hyde Products, Inc.,
(Subsidiary of
Zimmite Corporation)
810 Sharon Drive
CLEVELAND, Ohio 44145

Tel.: (216) 871-4885

Cable: Zimmie-Cleveland

TWX: 810-427-9123

TROIL BOOM

GIANT SWEEPING UNIT

- consists of two guide wings each. 167 ft. (51m) long, one oil collection pocket, two tow lines 328 ft. (100 m) long, two marker buoys, one fabric container and one aluminum container.

TROILBOOM CONTAINMENT BARRIERS

BOOM SIZE	HEIGHT	SECTION LENGTH
GIANT	59 in. (1.5 m)	85 ft. (26 m)
UNIVERSAL	41 in. (1.05 m)	102 ft. (31 m)
BANTAM *	30 in. (0.75 m)	157.5 ft. (48 m)

Boom is shipped with soft fabric container, loaded on a pallet

* Troilboom Bantam available with or without external tension lines. May be used for permanent installation.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
		HEAVY DUTY T-TYPE	R-TYPE	P-TYPE	
JPS Equipment, Inc. P.O. Box 13095, PORT EVERGLADES, Florida 33316 Tel. (305) 584-8387	Freeboard	12"	6"	3"	
	Draft	24"	10"	9"	
	Section Length	100'	100'	100'	
	Weight	2.35 lbs/ft.	1.1 lbs/ft.	.65 lbs/ft.	
	Fabric	Armour shell, PVC reinforced	Armour shell 22 oz. nylon, PVC reinforced	Same as R & T Types	
	Colour	Orange	Orange	Orange	
	Grab Tensile	500 lbs. x 500 lbs.	500 lbs. x 500 lbs.	500 lbs. x 500 lbs.	
JPS BOOM	Tear	180 lbs. x 160 lbs.	180 lbs. x 160 lbs.	180 lbs. x 160 lbs.	

OTHER MODELS AVAILABLE: S-TYPE, U-TYPE

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Kepner Plastics Fabricators, Inc. 3131 Lomita Blvd. Torrance, Ca. 90505 Tel: (213) 325-3162 Telex: 691646 "SEA CURTAIN" REELPAK SYSTEM	COMPACTIBLE SEACURTAIN BOOM SYSTEMS - "High Seas" compactible - 1000' offshore compactible - 100' supercompactible (20:1 "Stow Away") - 100' choppy water compactible - Fast water "SEACURTAIN" "REELPAK" BOOM SYSTEMS - 1600' self-inflating offshore boom, with "Keprite" tow assembly. (4000' capacity deployment/recovery spool available).	

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INFORMATION ON OIL SPILL CONTAINMENT AND

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TYPE: FLEXIBLE BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Logan Mining 5731 St.Augustine Rd. JACKSONVILLE, Florida 32207 Tel. (904) 731-0000 Cable: "LOGAN"	SPECIFICATIONS:	Logan Mining
	Boom Length: 50' to 200' Draft: 8" Freeboard: 4" Total Height: 4" Flotation Element: Oil resistant coated cylinders Flotation Shape: Cylindrical Flotation Length: 50' to 200' Flotation Width: 4" Overall Weight: 95 lbs./100 ft. section Stowage: 6' x 5' x 3' Material: Plastic coated fibreglass Ballast: Cable Tension Line: 3/4" rope Colour: Gray	
FLO-FENCE	For annual lease with preventive maintenance.	

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TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Megator Corporation
136 Gamma Drive,
Pittsburgh, Pa. 15238

Tel. (412) 963-9200

MEGATOR MINI-BOOM

SPECIFICATIONS:

Boom Length:	16.5'
Draft	7"
Freeboard	2"
Total Height	9"
Flotation Element	Enclosed polyurethane foam
Flotation Shape	Erect tablet
Flotation Length	4"
Flotation Width	1"
Overall Weight	Standard boom length, 10.5 lbs.
Stowage	One length about 2 cu. ft.
Material	Oil-resistant, PVC-coated nylon
Tension Line	Nylon rope
Ballast	Enclosed metal weight

FACTORY REPRESENTATIVE

MSE Engineering Systems Ltd.
265 Canarctic Drive
DOWNSVIEW, Ontario
M3J 2N7

Tel. (416) 661-5646

Telex: 065-23982

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOMS

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Nordan Oil Pollution Control,
Hindsholmvej 375,
Box 152,
5300 Kerteminde,
Denmark

Tel: (09) 32 33 33

Telex: 50310

NORDAN OILBOOM

NORDAN OILBOOM

- Constructed of an oil-resistant rubber compound, reinforced with polyester cord.

APPROXIMATE CONVERSIONS		"SEA"	"COAST GUARD"	"OCEAN"
Overall height	(ft. in.)	2' - 10"	3' - 7"	4' - 11"
Freeboard	(ft. in.)	1' - 2"	1' - 8"	2' - 0"
Draft	(ft. in.)	1' - 8"	2' - 0"	2' - 11"
Standard section	(ft. in.)	32' - 10"	32' - 10"	26' - 3"
Weight per section	(lb.)	198	254	276
Tensile strength	(PSI)	1450	2900	3480

EMERGENCY OILBOOM PACK: 656 - 1640 ft. oilboom packs in portable "M ulti-Lift" type container with winch and blower deploying 656 ft. in 15 minutes.

STANDARD WINDER: For 1640 ft. sea boom. Steel spool on 8' x 10' frame which can be powered by hydraulic, air or electric systems.

CONTAINER SYSTEM: For 1312 ft. sea or 820 ft. ocean boom rolled on a drum in its own container measuring 10' x 8' x 8', including deployment equipment.

HARBOUR UNIT: Mobile unit for 328 - 656 ft. sea boom mounted on a small trailer which can be pulled by car or small truck.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
Parker Systems, Inc. P.O. Box 1652 Norfolk, Va. 23501 Tel: (804) 485-2952		HEAVY DUTY BOOM	REGULAR DUTY BOOM	BASIN BOOM	BANTAM BOOM	
	Fabric	----------NYLON REINFORCED VINYL----------				
	Floatation	Solid Dow Ethafoam	-------ROLLED MICROFOAM----------			
	Diameter:	6"	6"	4"	3"	
	Length:	6'	6'	6'	6'	
	Skirt Depth:	12"	12"	8"	4.5"	
	Ballast:	---------1/4" COIL CHAIN----------			GALVANIZED STEEL WASHERS	
	Stress Plates:	---------STAINLESS STEEL----------			----------	
	Std.Section Length:	100'	100'	25'	25'	
	Also Available:	50'	50'	50'	50'	
MARK II MODEL O-HD	Wt. per ft.	2.0 lbs.	1.7 lbs.	1.0 lbs.	0.9 lbs.	
HEAVY DUTY BOOM	Color:	----------INTERNATIONAL ORANGE----------				
	Construction:	----------ULTRASONIC WELDING ----------				
MARK II MODEL O-RD		--DOUBLE FABRIC AROUND CHAIN HOT AIR				
REGULAR DUTY BOOM	Connections:	----DOUBLE HOOK & RING WITH---------- SLOTTED TUBE CONNECTION SEAL			SIMPLE BRASS GROMMET TIE OFFS	
BASIN BOOM	Gross Tensile	+15,000 lb. in chain & fabric	+ 10,000 lb. in chain & fabric	+ 6,000 lb. in chain & fabric	+ 3,000 lb. in fabric	
BANTAM BOOM	Optional:	Anchor points at 50' intervals handholds at fold points urethane fabric		Ethafoam solid flotation round		

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: FLEXIBLE BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Peabody Clean Industry, Inc. 170 Border Street EAST BOSTON, Mass. 02128 Tel. (617) 567-6500	SPECIFICATIONS:		Peabody Clean Industry, Inc. 170 Border Street, EAST BOSTON, Mass. 02128 Tel. (617) 567-6500
	Boom Length	100' Lengths (special sizes on request)	
	Draft	12", 24"	
	Freeboard	6", 12"	
	Total Height	18", 36"	
	Flotation Element	Plastic foam floats	
	Flotation Shape	Cylindrical	
	Flotation Length	9"	
	Flotation Width	4" in diameter	
	Overall Weight	18" - 1.65 lbs/ft. 36" - 2.35 lbs/ft.	
CONTAINMENT 18-INCH BOOM	Material	Armour shell-PVC nylon reinforced fabric	
	Ballast	Hot galvanized proof coil chain, 18" - 1/2"	
CONTAINMENT 36-INCH BOOM	Colour	Yellow	
	Fabric Strength	260 lbs/in.^{2}	
	Puncture Resistance	380 lbs/in.^{2}	

Ministry of the Environment
Ontario

INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Pollution Booms, Division of: A.G. Peterson & Co., Inc. 491 West Main Street, AVON, Mass. 02322 Tel. (617) 588-8800 POLLUTION BOOM	SPECIFICATIONS:		A.G. Peterson & Co., Inc. 491 West Main Street, AVON, Massachusetts 02322
	Boom Length: Draft Freeboard Total Height	50' standard section 24" 12" 36"	
	Flotation Element Flotation Shape Flotation Length Flotation Width	Closed-cell, plastic foam Semi-cylindrical, also flat vertical 18" 3"	Manufacturer to the trade (wholesale), as per specifications.
	Overall Weight Stowage Material Ballast Tension Line Colour Fabric Strength	3 lbs/ft. 3' x 6' x 4' Vinyl-impregnated nylon fabric 16 oz/yd.^{2} Lead 3/16" stainless steel cable Yellow 400 lbs/in.	Prices available upon request.
	Available widths:	15", 24" and 36", as above.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Seaward International, Inc.
6269 Leesburg Pike
Falls Church, Va. 22044

Tel: (703) 534-3500

Telex: 899-455

	SIZE	WEIGHT	TENSILE STRENGTH
Inner Harbour	7.5" fence 10" draft	2.6 lb/ft.	10,000 lb.
Outer Harbour	12" fence 16" draft	4.0 lb/ft.	15,000 lb.

Description:

- seamless exterior
- urethane elastomer coating of the closed cell foam flotation and fabric
- cast-on handles for deployment
- boom is bottom-tensioned with internal Kevlar fibers
- can be stored and deployed from a reel (up to 1000' of boom/reel)
- section length: 50'
- colours: Orange and Black

SEA FENCE OIL

CONTAINMENT BOOM

1) Hurum Engineering Ltd.
300 St.Sacrement Street,
Board of Trade Bldg.,
Montreal, Quebec
H2Y 1X4

Tel: (514) 284-0691

2) Versatile Env. Products,
60 Riverside Drive,
N. Vancouver, B.C.
V7H 1T4

Tel: (604) 929-5451

3) Terry Thompson, Ltd.
P.O. Box 91506
West Vancouver, B.C.
V7V 3P2

Tel: (604) 525-3201

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME | TECHNICAL DETAILS | SUPPLIER

Skimmex Limited
250-270 Earls Court Road,
London, England, SW5 9AD

Tel: 01-370-3315-6-7
01-370-1341-2-3-4

Telex: 918986 Fish G

Skimmex Limited

SKIMMEX

	FREEBOARD	DEPTH	UNIT LENGTH (ft.)	CONNECTORS	WORKING PRESSURE ($lb/in.^2$)	MAX. FLOW RATE (ft/sec)	WEIGHT PER SECTION (kilos)
LIGHTWEIGHT HEAVY DUTY BOOM	4"	6"	12.5	NEW	-	2-3	5
SPECIAL OIL BOOM	6"	6"	30	RAPID SLIDING STEEL TUBE	1	3	14
LARGE SPECIAL OIL BOOM	9"	12"	30		-	3	18
TANKER OIL BOOM	12"	18"	50		1	3	28 - 60
INSHORE OIL BOOM	18"	20"	50		1	3	50 - 80
SHORELINE BARRIER	9"	12"	40		-	-	-

MATERIALS:

BOOM: Woven polyester fabric coated on both surfaces with PVC coloured Marine Orange.
BALLAST CHAIN: Welded galvanized mild steel.
BUOYANCY: Air or Polyurethane foam (foam density 21 lb/cu.ft.

ALL UNITS AVAILABLE WITH OR WITHOUT A NET SKIRT.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Skimmex Limited
250-270 Earls Court Rd.
London, England SW5 9AD

Tel: 01-370-3315-6-7
01-370-1341-2-3-4

Skimmex Limited

SKIMMEX	FREEBOARD (in.)	DEPTH (in.)	UNIT LENGTH (ft.)	CONNECTORS	WORKING PRESSURE ($lb/in.^2$)	MAX. FLOW RATE (ft/sec.)	WEIGHT PER SECTION (kilos)
LIGHTWEIGHT DISPOSABLE BOOM	4	6	12	Rapid Turnbuckle	<1	<1	4.5

MATERIALS:

BOOM	- unreinforced PVC
BALLAST BAR	- mild steel
END REINFORCEMENT	- hardboard
TURNBUCKLE/EYELET	- chrome plated brass
BUOYANCY	- air

PACKING: Five (5) booms in a carton. Carton dimensions 24" x 18" x 5".
Gross weight: 18 Kg. (40 lb.)

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

(HARBOUR and RIVER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Slickbar, Inc. P.O. Box 139 Southport, CT 06490 Tel.: (203) 255-2601	SLICKBAR MARK 11 Continuous length from 50' to 500'; Draft 6", 8", 10" and 12"; Freeboard 6.5"; O/A height 10" to 18.5"; Flotation - Polyethylene foam, cylindrical shape, 6.5" diameter, 50" long with 10" between floats; Skirt Material - Kevlar*/Polyester woven fabric impregnated with PVC and treated with UV inhibitors; Fabric strength: 500 lbs/in.: Ballast: lead. SLICKBAR MARK 10K Continuous length 50' to 500'; Draft 6", 8", 10" and 12"; Freeboard 5.5"; O/A Height 10" to 18.5"; Flotation - Polyethylene foam, cylindrical shape, 50" long with 10" between floats, 4" or 6.5" in diameter; Skirt Material; Kevlar* woven fabric impregnated with urethane and treated with UV inhibitors, fabric strength 1000 lbs/inch. Ballast: lead. SLICKBAR MARK 9 Features molded "splash guard" float member. Other MK 9 components are woven polyester skirt coated with PVC and treated with UV inhibitors, SLICKHITCH Connectors and tow plates, S/S tension cable and ballast. SLICKBAR MARK 8 For where winds and waves can be heavy; Continuous length up to 100'; Float of polyethylene foam, tear drop shape, 24" long, 8" wide; Skirt Material is polyester, coated with urethane; Ballast, lead; Height 24" and 48" O/A.	Industrial Plastics Canada Ltd. P.O. Box 93 Fort Erie, Ontario L2A 5M6 Tel.: (416) 871-0412

* KEVLAR is a DuPont Trademark

cont'd

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM
(HARBOUR and RIVER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Slickbar, Inc. P.O. Box 139, SOUTHPORT, CT 06490 Tel.: (203) 255-2601	SLICKBAR MARK 7 Continuous length up to 100'; Draft 16"; Freeboard 8". O/A Height 24"; Flotation - Polyethylene foam, tear drop shape, 24" long, 8" wide; Skirt Material, same as MARK 10K; Wt./ft. of boom, 3.6 lbs. SLICKBAR MARK 5 Continuous length up to 500'; Draft 24"; Freeboard 12"; Height 36"; Flotation - Polyethylene foam, cruciform shape, 28" long, 9" wide; Skirt Material: Polyester woven fabric impregnated with PVC and treated with UV inhibitors, fabric strength 500 lbs/inch; Ballast, lead 2.1 lbs/ft. FLOATING BARRIER These barriers control the water flow in settling ponds/waste ponds and lagoons. Barrier consists of 6.5" floats fastened to skirt with S/S hardware, ballasted with lead. Barriers resist a wide range of corrosive chemicals. HAZARDOUS MATERIAL SPILL BOOM Completely constructed of components which are resistant to most hazardous materials.	Industrial Plastics Canada Ltd. P.O. Box 93 FORT ERIE, Ontario L2A 5M6 Tel.: (416) 871-0412

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Spill Control Company Sorbent Sciences Division 828 North Grand Avenue COVINA, Calif. 91724 Tel.: (213) 339-1259 COMBI-BOOM CHALLENGER 6 - 8 SORBENT BOOM CONTAINMENT BOOM CONTAINMENT LOG BOOM 4" or 6"	COMBI-BOOM - designed for small spills (up to 150 gals.) - independent flotation for each sorbent section - polyester cover surrounded by a 55 lb. nylon netting - each can be re-cycled - can be stored in rolls of 50' each. CHALLENGER 6' or 8' SORBENT BOOM - designed for containment and monitoring spills - each section is 6' or 8' long, 8" diameter, and linked together with a marine snap - polyester contained by 55 lbs. nylon netting - polyurethane sorbent on inside for storage. CONTAINMENT BOOM - 18" Containment Boom, made of 23 oz. laminated poly-vinyl nylon - designed as a working boom for large or small spills - floats, stays and weights are internally sealed so as not to restrict coiling of Boom - Universal, extruded aluminum connectors at each end - 100' section can be coiled into roll approximately 26" in diameter and weighing approximately 140 lbs. LOG BOOM - available in 50' lengths at 18" deep and 24" deep - 4" or 6" dia. x 3'. Ethafoam log float sealed in PVC.	1) Land & Lakes Environmental Service, 750 Himes Street, E., Grand Rapids, Michigan 49508 Tel.: (616) 243-4607 2) Marine Pollution Control 460 Terryville Road, Port Jefferson Station, LONG ISLAND, N.Y. 11776 Tel.: (516) 928- 222

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Tampella Textile Mills TEMPERE, Finland	SPECIFICATIONS	SUP 90 x 25 RAPID	SUP 75 x 25 SUPER
	Total Height:	90 cm	120 cm
	Total Weight:	58 kg/unit	60 kg/unit
	Length of Boom:	25 m/unit	25 m/unit
	Material:	PVC-coated synthetic fabric	
	Ballast:	Uniform galvanized chain serves as a weight at the lower edge of the boom	
	Flotation:	PE-foam plastic	PE foam plate, which can be folded into three parts (91 x 60 x 2.5 cm).
GUARD BOOM SUP 90 x 25 RAPID GUARD BOOM SUP 75 x 25 SUPER	ADDITIONAL INFORMATION - packed into a single package containing also sinking weights and stiffeners. - plastic rods serving stiffeners are applied into the boom structure.		- float part of boom has shape of isosceles triangle standing on its point. - edge-part of boom can be increased by means of supplementary plates. (The highest guiding boom in use is 4 m high.)

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
Uniroyal, Inc. Engineered Systems Dept. 312 North Hill Street MISHAWAKA, Indiana 46544 Tel.: (219) 255-2181	MODEL	MINI	OUTER HARBOUR	STANDARD	Uniroyal, Ltd. 2200 Ste. Catherine Street MONTREAL, Quebec H2K 4G8 Tel.: (514) 522-2111
	Boom Length	40'	40'	40'	
	Draft	12"	24"	24"	
	Freeboard	6"	12"	12"	
	Total Height	18"	36"	36"	
	Flotation Element	-------Closed-cell ensolite foam------			
	Flotation Shape	----------Trapezoidal----------			
MINI SEALDBOOM	Flotation Length	27"	27"	27"	
ROUGH WATER SEALDBOOM	Flotation Width	4 x 1.4	3.4 x 3.75	5.5 x 1.4 (inches thick, one-ply) 3.4 x 3.75 " " , two-ply)	
STANDARD SEALDBOOM	Overall Weight	1.5 lbs/ft	3.5 lbs/ft.	3 lbs/ft.(One-ply) 5.8 lbs/ft.(Two-ply)	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
Uniroyal, Inc. Engineered Systems Dept. 312 North Hill Street MISHAWAKA, Indiana 46544 Tel.: (219) 255-2181	(continued)				Uniroyal, inc. 2200 Ste. Catherine St. East, MONTREAL, Quebec H2K 4G8 Tel.: (514) 522-2111
	Material	-------Paracril-Ozo Coated----------			
	Ballast	----------Lead----------			
	Colour	----------Yellow----------			
	Fabric Strength	500 lbs/in.	500 lbs/in.	500 lbs/in. (One-ply) 1200 lbs/in. (Two-ply)	
	Parting Strength	11,000 lbs.	20,000 lbs.	20,000 lbs. (One-ply) 48,000 lbs. (Two-ply)	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Versatile Environmental Products Company,
60 Riverside Drive
North Vancouver, B.C.
V7H 1T4

Tel.: (604) 929-5451

Telex: 043 52686
BENNPOLL

INSHORE OIL BOOMS

	BOOM SIZE			
	12"	18"	24"	36"
Freeboard	5"	6"	8"	12"
Draft	7"	12"	16"	24"
Weight per ft.	1.8 lbs	2 lbs.	2.5 lbs.	3 lbs.
Section Length	50'	50'	50'	50'
Top Strength Member	N/A	N/A	1/4" steel cable	
Boom Fabric	PVC-coated Nylon. 22 ozs. per sq. yd.			
Bottom Strength Member	---------1/4" steel cable----------			
Ballast	Lead weights molded to bottom cable			
Flotation	One 2" x 6" oval ethafoam			
Method of Joining Boom Sections	Slide male boom into aluminum joiner. Slide cable end castings into joiner and secure pin.			

Also available:

Navy Boom
River Boom
General Purpose Boom
Special Purpose Booms

McAllister Pollution Control
410 St.Nicholas Street
MONTREAL, Quebec

Tel,: (514) 849-2221

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BOOM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Versatile Environmental Products Company, 60 Riverside Drive NORTH VANCOUVER, B.C. V7H 1T4 Tel.: (604) 929-5451 Telex 043 52686 BENNPOLL **ZOOM BOOM** **SERIES 8, 12, 18 & 24** **PERMANENT HARBOUR BOOM** Also available: Navy Boom River Boom General Purpose Boom Special Purpose Booms	**ZOOM BOOM (SER. 12)** Overall Height: 30" Freeboard: 10" Draft: 20" Standard Section Length: 100' Weight/unit Length 1.8 lb/ft. Buoyancy; Weight ratio: 25:1 Standard section Package Size: 78" x 13" x 37" Tension member tensile strength: 5700 lbs. Fabric grab tensile strength: 550 lb/in. Fabric tear strength: 130 lb. Fabric cold crack temperature $-51\frac{0}{2}$ Fabric weight: 22 oz/yd. **PERMANENT HARBOUR BOOM** Boom size: 30" Freeboard: 12" Draft: 18" Weight/ft. 8 lbs. Section Length: Optional Total Grab Tensile: approx. 35,000 lbs. Skirt Material: Polyester woven fabric with heavy duty coating Flotation: Rotary molded polyethylene, urethane foam filled. All Boom components are attached securely to skirt, eliminating wear and are unaffected by ultra-violet, hydrocarbons or sea water.	McAllister Pollution Control 410 St.Nicholas Street, MONTREAL, Quebec Tel.: (514) 849-2221

OIL RECOVERY EQUIPMENT

Manufacturer	Product	Page
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OIL RECOVERY EQUIPMENT continued

Manufacturers	Product	Page
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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Aerodyne Development Corp. 29085 Solon Road CLEVELAND, Ohio 44139 Tel.: (216) 248-8212 Telex: 980-557 BELT OIL SKIMMER PORTABLE OIL SKIMMER	BELT OIL SKIMMER - Standard model single belt, 8" wide, any length measured center to center from head pulley to tail pulley, two belt materials available; carbon steel and corrosion resistant steel and belt guard. - wiper blade assembly. - totally enclosed motor (either 115-230 volt, 1 hp, 60 H_z). Explosion-proof motor available. - capacity, 32 gallons of oil from water per hour. Multiple belt (8") units for additional capacity. - weight, approximately 115 lbs.	PORTABLE OIL SKIMMER - carbon steel construction - complete with continuous neoprene belt (1' 6" min. up to 5" max. measured center-to-center from head pulley to tail pulley) wiper blade assembly, self-supporting stand, and drip tank - adjustable stabilizer bar on tail pulley - 1/6 H.P. TEFC, motor 115 v. with grounded cord and plug - capacity of 8 gallons of oil from water per hour - weighs approx. 50 lbs.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: VACUUM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Central Engineering Co., Inc. 4429 West State Street, MILWAUKEE, Wisconsin 53208 Tel: (414) 933-4567 VAC-ALL	Vacuum pickup of surface oil spills through 12" diameter hose. Air volume available varies from 12,000 CFM to 18,000 CFM, depending on model. Equipment is truck-mounted for mobility.	Wheels, Brakes & Equipment Limited, 901 Barton Street, E., P.O. Box 411, Station "B", HAMILTON, Ontario L8L 7W6 Tel: (416) 544-5763

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: RECOVERY EQUIPMENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Containment Systems Corp. Mop-Wringer Division P.O. Box 1390 Cocoa, Florida 32922 Tel: (305) 632-5640 Telex: 566-535	- Mop Wringers utilize a wringing action to squeeze oil from an endless web of fibers. When exposed to oil on water, the oil adheres to the fibers. A return pulley guides the oil-laden fibers back to the unit. - Explosion proof.	

MOP-WRINGER

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: WEIR SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Douglas Engineering
5168 Brookside Lane
Concord, Ca. 94521

Tel:(415) 827-9040

SERIES	2000	4000
Capacity (GPH)	2000	4000
Length (in.)	19½	26
Width (in.)	19½	26
Height (in.)	5½	8
Draft (in.)	3	4
Weight (lb.)	15	20

SKIM PAK

- Fibreglass construction.
- Weir automatically adjusts to pumprate.
- Standard units work unattended with hose directly attached to the bottom of the skimmer.
- Optional control wand between hose and skimmer attached to the top of the skimmer for operator control.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (RECOVERY UNIT)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Hurum Engineering Limited 300 St.Sacrement Street Suite 119, MONTREAL, Quebec H2Y 1X4 Tel.: (514) 284-0691 Telex: 055-60312	RECOVERY UNIT - OELA-111 Oil Skimmer - SLURP skimmers, galvanized steel, stainless steel, aluminum - FLEXY skimmer - GORMAN RUPP pumps and - SPATE pumps - DIAPHRAGM pumps - Portable tanks, 1000 gallons - Sorbent material - Hoses; floating and standard type	Hurum Engineering Limited Oil Mop Pollution Ltd. 1765 Shawson Drive, Unit 11, Mississauga, Ontario L4W 1N8 Tel: (416) 677-6320
RECOVERY UNIT FLEXY OIL RECOVERY BARGE	- with pumping facilities - intended mainly for coastal and offshore use - sizes range from 80' to 250' O.L.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (SKIMMER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Hyde Products, Inc.
(Subsidiary of:
Zimmite Corporation)
810 Sharon Drive,
CLEVELAND, Ohio 44145

Tel.: (216) 871-4885

Cable: Zimmie-Cleveland

TWX: 810-427-9123

DESTROIL SKIMMER SYSTEM

DESCRIPTION

- Uses a modified positive displacement archimedes reversible (to undo jamming by debris) screw pump, driven by a hydraulic motor which is powered from a remote air-cooled diesel-driven powerpack.
- The skimmer is fitted with three floats, one of which is air controlled for optimal positioning of the suction inlet.
- The system can be supplied with either electric or pneumatic drive.
- Existing hydraulic power sources may be adapted to supply the skimmer pump.

DESTROIL SKIMMER

MODEL	CAPACITY U.S. GPM	MAX. DISCHARGE PRESSURE (PSI)	NOM R.P.M.	DISCHARGE HOSE (in.)	DIMENSIONS L x W (in)	WEIGHT (lbs)
150	33	60	200	4	80 x 48	330
210	110	60	200	5	100 x 67	615
310	220	60	200	6-8	140 x 87	990

Continued .....

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (SKIMMER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Hyde Products, Inc.
(Subsidiary of:
Zimmite Corporation)
810 Sharon Drive,
CLEVELAND, Ohio 44145

Tel.: (216) 871-4885

Cable: Zimmie-Cleveland

TWX: 810-427-9123

DESTROIL POWER PACK

TYPE	DIESEL (KW)	OPERATING PRESS PSI	MAXIMUM PRESSURE	HYDRAULIC FLOW GPM	DIMENSIONS L x W x H (in)	WEIGHT (lbs)
P10 (150)	10	750	3500	10	48 x 40 x 48	1320
P20 (210)	20	750	3500	20	63 x 40 x 48	1980
P30 (310)	30	750	3500	30	80 x 40 x 48	2640

DESTROIL SKIMMER SYSTEM

(7-111)

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMER (BELT)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Industrial Metal Fabricators Co., 12280 Dixie DETROIT, Michigan 48239 Tel.: (313) 535-1300	HEIGHT: WIDTH: DEPTH: ELECTRIC MOTOR: OIL RECOVERY CAPACITY:	39" 24½" 15" 1/2 H.P. 30 GPH	

O.S. - 12 OIL SKIMMER

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT
(WEIR)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Industrial and Municipal Engineering P.O. Box N U.S. Route 34-E GALVA, Illinois 61434 Tel.: (309) 932-2036	OELA III OVERALL DIMENSIONS: WEIGHT: POWER REQUIREMENTS: SUCTION HOSE: SWEEP WIDTH:	 4' 6" diameter x 15¼" high 110 pounds Liquid-conveying pump or vacuum inductor 2" self-floating 4" to 6" in diameter, 360° collection.

(6-III)

OELA - III

and

OELA - IV

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
JBF Scientific Corporation 2 Jewel Drive WILMINGTON, Ma. 01887 Tel.: (617) 657-4170 VARIOUS MODELS DIP 2001 (Remote Control Harbour Skimmer) DIP 3001 (Self-propelled Harbour Skimmer) DIP 3003 (Lake Skimmer) DIP 5001 (Oil Recovery and Patrol Vessel) ALSO AVAILABLE 100 LONG TON OIL RECOVERY VESSEL DIP 6001 500 LONG TON OFFSHORE OIL RECOVERY VESSEL DIP 7001 750 LONG TON OFFSHORE OIL RECOVERY VESSEL DIP 400 PORTABLE SKIMMER	DIP SKIMMERS (All models) Hull - marine grade aluminum (all models except DIP 5001 which is steel) Length - from 13' to 68' Beam - from 7' 2" to 17' Draft - from 3' to 6' Weight - from 4,000 lbs. to 100 LT Oil Storage from 150 USG to 10,000 USG Oil Recovery Rate - varies from 60 GPM @ 1 knot for 2 mm slick to 320 GPM @ 1 knot for 10 mm slick % Recovered One Pass - 90% @ 1-2 knots (all models) % Water in Oil - 1% (all models) Effective Oil Collection Speed - 0 to 3 knots for all models, except Model DIP 2001 which has effective oil collection speed of 0-2 knots Cruising Speed - Smaller models (3001 to 3003) cruise at 5 knots and can be towed up to 10 knots - Larger models cruise at 8 - 10 knots. NOTE: - 1002 and 2001 do not have propulsion as such; 1002 is used for maneuvering in a 15' radius and 2001 can be strapped to a vessel of opportunity.	JBF Scientific Corporation

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
JBF Scientific Corporation 2 Jewel Drive WILMINGTON, Ma. 01887 Tel.: (617) 657-4170	DIP 1002 TRAILER MOUNTED SYSTEM TRAILER Capacity - 18,000 lbs. Length - 21' Beam - 8' Height - 11' Oil Storage -400 USG AIR COMPRESSOR Rating - 100 PSI, 60 SCFM Receiver - 120 gal. Drive - 25 HP HOIST & CRANE Capacity - 1,000 lbs. Reach - 12' Height - 8' Rotation -360° SKIMMER Displacement - 600 lbs. Length - 6' Height - 3' Beam - 3' 6" Control Wand - 22' Pump - 50 GPM ACCESSORIES Oil Boom - 200' Air Hose - 200' Oil Hose - 200' Tool Box PERFORMANCE (10 mm. slick) Maneuvering - 23 GPM @ 0.5 knots Stationary Link (25' aperture) - 56 GPM @ 0.1 knots Wave Height - 1'	JBF Scientific Corporation
DIP 1002		

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT
FLOATING OIL RECOVERY SYSTEM

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Lockheed Missiles and Space Company, Inc. Atten: CLEAN SWEEP P.O. Box 504, Sunnyvale, Calif. 94086 Tel.: (408)742-6756 OFFSHORE OIL SPILL RECOVERY EQUIPMENT LOCKHEED CLEAN SWEEP R-2003 SERIES FLOATING OIL RECOVERY SYSTEMS TYPE 110 GASOLINE TYPE 134 ELECTRIC TYPE 150 AIR POWERED MODEL 2002 HEAVY DUTY OIL SKIMMER OTHER MODELS MODEL R-2003, TYPE 3100 BOAT, TYPE 4122 BOAT	TYPE 110 GASOLINE POWERED Dimensions and Weight: Width: 660 mm; Length: 1219 mm; Ht. 711 mm; Draft: 254 mm; Approx. Wt.: 70 kg. Drive Motor: Gasoline engine 3½ hp; 4 cycle; 3600 rpm with auxilliary 8.5:1 power takeoff shaft Discharge Pump: Flexible impeller Oil resistant nitrile impeller Highly abrasion-resistant rotary face seal Belt driven with manual clutch Frame and Recovery Drum: Marine-grade aluminum Wiper Blade Material: Ultrahigh-molecular-weight polyethylene Additional Data: Effective in wide range of viscosities - AP I 11° to 48° Cross vanes snap out for servicing wipers. Wipers replaceable in minutes. Pick-up rate unaffected by fluid level changes of +50 to - 100 mm (+2 to -4 in.) Oil Recovery Rates Type 110 Recovers 6 GPM Type 134 Recovers 8 GPM Type 150 Recovers 12 GPM Model R2002 Recovers up to 60 GPM Model R2003 Recovers up to 220 GPM Type 3100 Boat Recovers up to 220 GPM Type 4122 Recovers up to 1000 GPM	Dry-Con Ltd. 280 Belfield Road Rexdale, Ontario M9W 1H5 Tel.: (416) 675-7008 Telex: 06--989199

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (OIL SKIMMING VESSELS)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS				SUPPLIER
Marco Pollution Control Division of: MARCO SEATTLE 2300 West Commodore Way Seattle, Washington 98199 Tel.: (206) 285-3200 Telex: 32 - 0098	SPECIFICATIONS (VESSELS)	28' CLASS I	50' CLASS VII-B	122' CLASS VI	
	Overall length	28' - 0"	49' - 11"	122' - 7"	
	Maximum beam	8' - 0"	14' - 11"	42' - 0"	
	Displacement	6,300 lbs.	36,000 lbs.	480 L. tons	
	Total clearance	- - -	25' - 0"	76' - 0"	
	Sump tank capacity	12 bbls.	80 bbls.	1750 bbls.	
	Gross tonnage	- -	25 (est.)	299 (est)	
	Crew accom/operators (min.)	0/2	2/2	13/6	
	Fuel oil capacity	24 gal. (portable)	348 gallons	20,000 gallons	
	Main engine(s)	2 @ 50 HP (outboard)	1 GM 6-53	2 @ 850 HP	
	Auxiliary engine(s)	1 @ 15 HP (diesel)	1 GM 3-53	2 @ 95 KW	
	Side thrusters	-	2 @ 16 HP	2 @ 525 HP 2 @ 75 HP	
AVAILABLE EQUIPMENT and OIL SKIMMING VESSELS	Oil recovery equipment	One 1-foot wide "Filterbelt" module oil transfer pump.	One 3-foot wide "Filterbelt" module; one each 450 GPM off-load pump; one each 1500 lb. crane; water spray booms.	Three 3.5-foot wide "Filterbelt" module; two each 500 GPM off-load pumps; two each 15.8 CFM air compressors; four each 150 GPM salt water pumps; two each 1500 lb. cranes.	

28' CLASS I
34' CLASS I.1
36' CLASS I-D
40' CLASS II-C
58' CLASS III
86' CLASS IV
36' CLASS V-C
122' CLASS VI
50' CLASS VII-B
65' CLASS VIII

Specifications on above models available.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT
(OIL SKIMMING SYSTEMS)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS			SUPPLIER
Marco Pollution Control. Division of: MARCO SEATTLE 2300 West Commodore Way Seattle, Washington 98199 Tel.: (206) 285-3200 Telex: 32--0098 OIL SKIMMING SYSTEMS CLASS X CLASS XI	SPECIFICATIONS (SYSTEMS)	CLASS X	CLASS XI	
	Skimmer dimensions	37' x 19' 8"	20' x 8'	
	Skimmer weight	34,500 lbs.	3,050 lbs.	
	Engine(s)	Two GM 3-53	One GM 4-53 (remote)	
	Skimming system	Two 3-foot "Filterbelt" modules	One 3-foot "Filterbelt" module	
	Additional equipment	Radio control system Discharge hose Two each, 200 GPM discharge pumps.	2 x 55' oil boom Discharge hose. One each, GPM discharge hose. Hydraulic hose package. Outrigger and spar. Running rigging. Portable Crane. Two each, storage vans.	

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Mattsson Produkter 1 Uddevalla AB P.O. Box 667, S-451 24 Uddevalla, Sweden Tel.: 46-522.36400 Telex: 42027 FKAB-S	Marine Emergency Skimming System. Using hydraulic power for both pump and rotor. Length: - 330 cm (10' 10") Width - 240 cm (7' 11") Height - 110 cm (3' 7") Weight - 400 kg (882 lbs.) Capacity: 1 ton per minute (Oil viscosity 10^3 CS_t) Rotor speed - Approx. 10 rpm	Mattsson Produkter 1 Uddevalla AB P.O. Box 667, S-451 24 Uddevalla, Sweden Tel.: 46-522.36400 Telex: 42027 FKAB-S

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMER

MANUFACTURER AND TRADE NAME

Megator Corporation
136 Gamma Drive
Pittsburgh, Pa. 15238

Tel.: (412) 963-9200

DELTA MARK II

MEGATOR SIGMA SKIMMER

TECHNICAL DETAILS

DELTA MARK II

Overall dimensions	39" in dia., 16½" high
Weight	14 lbs. (skimming head only)
Power requirements	3 H.P. gasoline, electric or air motor
Pump type and capacity	Megator sliding-shoe suction pump
Pump rate	4 to 480 GPM
Sweep width	39" diameter
Draft	7"
Freeboard	9½"

MEGATOR SIGMA SKIMMER

Overall dimensions	37¼" (946 mm) overall diameter
Height	8½" (216 mm)
Operate in a minimum	depth of approximately 7" (178 mm)
Weight	8 kg (17.6 lbs.)
Pump type	Megator sliding-shoe suction pump
Power requirements	3 H.P. gasoline engine, diesel engine, electric motor
Pump rate	11 gal./min. - 22 gal. maximum

SUPPLIER

Factory Representative

MSE Engineering Systems Ltd.
265 Canarctic Drive
DOWNSVIEW, Ontario
M3J 2N7

Tel.: (416) 661-5646

Telex: 065-23982

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: BELT-TYPE OIL SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Met-Pro Corporation Systems Division P.O. Box 144 HARLEYSVILLE, Pa. 19438 Tel: (215) 723-6751 SERIES 7000 SKIMMER	- Belt-type oil skimmer - Adjustable belt speed - Upper assembly completely enclosed in upper housing - Structural steel idler cage and idler assembly to keep belt taut - AGMA Class III Drive Assembly - Belts available for wide range of pH and temperature - Lower frame length manufactured to meet particular application needs - Belt available in widths of 12", 18" or 24"	Hugh R. Fielding Ltd. 55 Glen Cameron Road, THORNHILL, Ontario L3T 1P2 Tel: (416) 889-2985 OR contact manufacturer directly.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY UNIT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Monroe Environmental Corporation,
11 Port Avenue,
Box 313,
MONROE, Michigan 48161

Tel: (313) 242-7654

MAX-E-CLENE

OIL RECOVERY UNITS

BELT-TYPE ORU

An endless synthetic material belt, chain-driven by a sealed motor and speed reducer assembly mounted inside the unit housing. Staggered self-adjusting wipers remove the oil which drains into a discharge trough. Available fixed or floating.

BELT WIDTH (in.)	MOUNTING DIMENSIONS (in.) HEIGHT	WIDTH	DEPTH	DISCHARGE HEIGHT	PULLEY ℄ IMMERSION	MOTOR H. P.
8	36	22	20	11	12	1/6
12	72	28½	26½	41	16	1/4 - 1
24	78	42½	26½	41	16	1/2 - 1

RECOVERY RATES (G.P.H.) (U.S.)

BELT WIDTH (in.)	FUEL OIL KEROSENE MINERAL SEAL	30 Wt. MOTOR OIL	BUNKER "C"
8	2 - 4	20 - 25	55 - 60
12	5 - 7	45 - 50	80 - 90
24	10 - 14	90 - 100	160 - 180

DISC-TYPE ORU

Available in fixed or floating type.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY UNIT
(ROPE MOP)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Mop, Incorporated P.O. Drawer "P" BELLE CHASSE, La 70037 Tel. (504) 394-6110 Cable Address: OILMOP New Orleans Telex: 587-486 Answer Back: Oil Mop BCHA	ROPE MOP and RECOVERY MACHINERY - Various types, capacities available from 350 to 29,000 gals/hour - Unit can be matched with corresponding engines -- gasoline, diesel and electric - Units come with or without pumps - Trailer or skid mounted - Length of rope - as required - Mop weight: 0.12 to 1.81 lbs/ft. - Floating tail pulleys - as required - Suitable for marine or land base operation	Oil Mop Pollution Control Ltd. 1765 Shawson Drive, Unit 11, MISSISSAUGA, Ontario L4W 1N8 Tel.: (416) 677-6320

ROPE MOPS

Description of Operation - The basic system consists of a ROPE MOP, which attracts oil and rejects water, and the MOP ENGINE, which propels/pulls the ROPE MOP along the water surface and wrings the collected oil from the ROPE MOP. Since the ROPE MOP floats and conforms to any wave patterns, this system is capable of recovering oil in varying wave and current conditions.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

GROUNDWATER
TYPE: HYDROCARBON RECOVERY

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Recovery Systems, Inc. Main Street GREENVILLE, New Hampshire 03048 Tel.: (603) 878-2500	**THE FILTER SCAVENGER, PORTABLE OIL-WATER SEPARATOR SYSTEM** - separates and retrieves light oil products such as gasoline, diesel oil, fuel oil and a wide range of other hydrocarbons from the water surface, above or below ground level. - consists of a floating buoy with built-in oil/water separator cartridge and pump control switch, and a motor-pump assembly. **FLOATING COLLECTION ELEMENT** Diameter: 17½", Height: 9½", Draft: 5", Weight: 11 lb. **MOTOR CONTROL AND PUMP ASSEMBLY** Motor: explosion-proof 1/4 H.P., 115 V A.C. 60 Hz 4.2A 1725 R.P.M., or explosion-proof 1/4 H.P., 230 V A.C. 60 Hz 2.1A 1460 R.P.M., or explosion-proof 1/4 H.P., 12 V D.C. 14 A 1750 R.P.M. Pump: 5 G.P.M. self-priming, close coupled gear pump Pump control switch: Intrinsically safe <4 MA @ 10 V Hose fittings: "Kamloc" quick disconnect Input hose: 15' long, 3/4" diameter, gasoline resistant Output hose: 20' long, 3/4" diameter, gasoline resistant, grounded Dimensions: 18" x 18" x 7" in height **PORTABLE SYSTEM CASE** Fibreglass or aluminum. Weatherproof. Dimensions: 24" x 24" x 24" Total weight: 110 lbs. (approx.) storing all components of the system.	RNG Equipment Ltd. 32 Stoffel Drive Rexdale, Ontario M9W 1A8 Tel.: (416) 249-7383 Telex: 02-29472

(III-20)

SCAVENGER SYSTEM

OPTIONS

Aromatic Filter Scavenger

- for recovery of materials containing aromatic hydrocarbons

pH Filter Scavenger

- for use when the pH is <5 or >9.

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: GROUNDWATER HYDROCARBON RECOVERY

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Oil Recovery Svstems, Inc. Main St., Greenville New Hampshire 03048 Tel.: (603) 878-2500	THE O.R.S. PROBE/PUMP, WATER TABLE DEPRESSION TABLE PUMP - Used in conjunction with the SCAVENGER SYSTEM, this unit consists of a submersible pump which removes water from under the Oil/Water interface so that a 'cone of depression' is created which increases the flow of surrounding water and pollutants into the recovery well permitting more rapid clean-up of the groundwater. The probe maintains the level of the recovery well at a predetermined distance below the surrounding water table and will also shut the pump off automatically when hydrocarbons come near the pump intake. Pump: Prosser 1 H.P. 115 V, single phase with 50' of 2" gasoline resistant hose HEAD 0 15 25 35 40 43 ft. FLOW 85 80 60 35 15 off G.P.M. Conductivity Probe: Designed to permit the pumping of only water. Electronics: Explosion-proof, Class 1, Div. 1, Group C, D. Probe: Portable 2" diameter, 8" long, lowered by probe wire. Intrinsically safe. 24 Volts A.C. to prevent electrolysis. Current <1 mA. Hi-lo probe avoids pump jitter. Corrosion and gasoline resistant, splash proof, spark proof. Probe weight: 2 lbs. Pump, hose, power cord weight: 63 lb. Electronic Control Weight: 8 lb. - mounted on 14" x 16" board.	RNG Equipment Ltd. 32 Stoffel Drive REXDALE, Ontario M9W 1A8 Tel.: (416) 249-7383 Telex: 02 - 29472

O.R.S. PROBE PUMP

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

GROUNDWATER
TYPE: HYDROCARBON RECOVERY

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Oil Recovery Systems, Inc.,
Main Street, Greenville,
New Hampshire 03048

Tel.: (603) 878-2500

THE PROBE - SCAVENGER SYSTEM

- provides oil/water separation and recovery from wells of 8" diameter or larger and depths of 85' or more, where access by the 'Filter Scavenger' would be restricted.
- the probe prevents the unit's submersible pump from pumping water.

Motor: 1/3 H.P., 230 V, single phase, permanent split capacitor, thermal overload, explosion proof, submersible.

Pump: Multistage celcon impellers and diffusers

HEAD	15	30	45	60	70	80	84	feet
FLOW	38	34	32	24	16	8	shut off	G.P.M.

PROBE SCAVENGER SYSTEM

Pump Control Module: mounted on 16" x 14" anodized aluminum board. Explosion-proof.

Probe: designed to permit the pumping of only hydrocarbons. 12" long. May be used with battery as interface detector.

Overall system: In 34" x 16" x 16" carrying case; with 105' of hose, 100' of power cord, total weight: 150 lb.

FILTER BUCKET

FILTER BUCKET

- A manual passive collection device consisting of a filter cartridge, mounted on a floating collection bucket, which rejects water but allows oil to pass through. The 10" high filter bucket can be deployed in any area that is 10" in diameter, or larger. The unit gives a signal when its 2 litre capacity has been reached.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Oil Skimmers, Inc. 1803 W. Royalton Road CLEVELAND, Ohio 44147 TWX 810 427-9130 Cable Code: SKIMMERS CLEVELAND Tel.: (216) 237-4600	OVERALL DIMENSIONS: POWER REQUIREMENTS: STORAGE CAPACITY:	50" long x 12 3/8" high x 10" wide Varying length booms available; 6', 8', 12' 18' and 24' 1/2 H.P. 1725 rpm NEMA No. 56, various voltages 500, 1,000, 2,000, 5,000 and 10,000 gallon units available.	Howard B. Fretz and Associates, Ltd. Box 1133, Station B, BURLINGTON, Ontario L7P 3S9 Tel.: (416) 842-4350 Area Sales Engineers: Howard Fretz, President Art Fretz

MODEL

Brill Oil Skimmer Model 6V and
Brill Oil Skimmer Model 5H
with mounting systems available.

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY UNIT
(VACUUM BARGE)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Peabody Clean Industry, Inc. 170 Border Street EAST BOSTON, Mass. 02128 Tel.: (617) 567-6500	- Dimensions: 18' x 33' x 5' - Capabilities include 500' boom storage, 6,000 gallon waste oil storage, 1,000 gallon vacuum pumping unit, chemical dispersant application and absorbent storage. - Twin outboard power or twin diesel power.	Peabody Clean Industry, Inc. 170 Border Street East Boston, Mass. 02128 Tel.: (617) 567-6500

VACUUM BARGE

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INFORMATION ON OIL SPILL CONTAINMENT AND

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TYPE: SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Peabody Welles, Inc. ROSCOE, Illinois 61073 Tel.:(815) 623-2111 Telex: 25-7452	Overall Dimensions: 12' 2" long x 5' high x 7' 6" or 9' 9" wide Weight: 500 lbs. Power Requirements: 5 H.P. @ 1,800 RPM to 15 H.P. @ 3,600 RPM Pump Type and Capacity: Sump pump Sweep Width: 25" and 50" drum widths Freeboard: 10½" Maximum Velocity: 5 ft/sec. Draft: 10"	
RECLAMATOR		

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TYPE: BELT SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Pollution Control
Engineering, Inc.
10751 Lakewood Blvd.
DOWNEY, California
90241

Tel: (213) 861-1297

TWX 910-583-5718

- Available for three phase or single phase power supply
- Constant speed or variable speed motors are optional; ½ horsepower motors are standard
- Belt tensioners for positive drive are standard equipment
- No metallic parts below the liquid surface
- Adjustable 316 stainless steel doctor blades for removing oil from the belt
- Amply sized recovered oil troughs, with outboard discharge
- Optional spacer stands available - up to 6 feet high - for elevating oil discharge spout.

PCE BELT SKIMMER

MODEL	12	24
BELT WIDTH	12"	24"
HOUSING WIDTH	20"	32"
OVERALL WIDTH (Incl. motor)	37"	49"
HOUSING HEIGHT	32"	32"
DISCHARGE SPOUT HEIGHT	5"	5"

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TYPE: OIL RECOVERY UNIT

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
R.B.H. Cybernetics P.O. Box 4205 Postal Station "A" Victoria, B.C. V8X 3X8	- Weight (approx.) 2,200 lbs. - Belt width: 36" - Drive and lifting of boom hydraulic - Power options: Gasoline, Diesel, Electric	R.B.H. Cybernetics P.O. Box 4205 Postal Station "A" Victoria, B.C. V8X 3X8
SLICKLICKER	- Slicklicker can be bought as a unit; or mounted on "Pelikan Landing Craft", with twin gas or diesel motors, 2,000 gallon holding tank, two hydraulically powered offloading pumps and two control stations.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (SKIMMERS)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Seaward International, Inc. 6269 Leesburg Pike FALLS CHURCH, Virginia 22044 Tel.:(703) 534-3500 Telex: 899-455 SLURP	OPERATING PRINCIPLE: Self-levelling adjustment required at pump only. LENGTH: 3' WIDTH: 2' HEIGHT: 1.25 ft. steel .9 ft. aluminum WEIGHT: 36 lb. (Aluminum) 57 lb. (Stainless Steel) DISCHARGE CAPACITY: 19 Gal/Min (Aluminum) 44 Gal/Min (Stainless Steel) HOSE: 1.5 in. Inside Diameter 1.9 in. Outside Diameter 0.38 lb/ft Hose Weight (continued)	1) Hurum Engineering Ltd. 300 St.Sacrement Street, Board of Trade Building, Montreal, Quebec H2Y 1X4 Tel.: (514) 284-0691 2) Versatile Environmental Products Company, 60 Riverside Drive, North Vancouver, B.C. V7H 1T4 Tel.: (604) 929-5451 3) Terry Thompson Ltd., P.O. Box 91506, West Vancouver, B.C. V7V 3P2 Tel.: (604) 525-3201 4) Sanivan Marine, Inc., 1705 31 EME Ave. PAT Montreal, Quebec H1B 5M9 Tel.: (514) 353-9170

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INFORMATION ON OIL SPILL CONTAINMENT AND

CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT

(SKIMMERS)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Seaward International, Inc. 6269 Leesburg Pike, Suite 204, FALLS CHURCH, Virginia 22044 Tel.: (703) 534-3500 Telex: 899-455	(continued)	1) Hurum Engineering Ltd. 300 St.Sacrement Street Board of Trade Building MONTREAL, Quebec H2Y 1X4 Tel.: (514) 284-0691 2) Versatile Environmental Products Company, 60 Riverside Drive North Vancouver, B.C. V7H 1T4 Tel. (604) 929-5451 3) Terry Thompson Ltd. P.O. Box 91506 West Vancouver, B.C. V7V 3P2 Tel.: (604) 525-3201 4) Sanivan Marine, Inc., 1705 31 EME Ave. PAT Montreal, Quebec H1B 5M9 Tel.: (514) 353-9170
SPILTROL HARBOUR SKIMMER	HULL LENGTH: 25' DRAFT: 1.8' WEIGHT: 11,000 lbs. Aluminum 13,750 lbs. Stainless Steel SWEEP WIDTH: 20' PROPULSION: Inboard/Outboard GM Diesel	
HUSKEY OFFSHORE SKIMMER	HULL LENGTH: 40' DRAFT: 3' WEIGHT: 29,800 lbs. SWEEP WIDTH: 16' (up to 400' with boom attached).	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMING HEAD (MANTA RAY)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS		SUPPLIER
Slickbar, Inc. P.O. Box 139, SOUTHPORT, Connecticut 06490 Tel.(203) 255-2601	SLICKSKIM MODEL 60		Industrial Plastics Canada Limited P.O. Box 93 Fort Erie, Ontario L2A 5M6 Tel.: (416) 871-0412
	OVERALL DIMENSIONS	Pump dimensions: 34" x 29" x 36" Flexible or Rigid MANTA RAY Skimming Head (67" x 38.5" x 8")	
VARIOUS MODELS SLICKSKIM MODEL 60 SLICKSKIM MODEL 160 TRANS-VAC OIL RECOVERY SYSTEM 500-D CLEAN CHANNEL SKIMMER (VESSEL)	WEIGHT:	500 lbs. total system weight	
	POWER REQUIREMENTS:	Motors for pump operation include 4 H.P. diesel, 7 H.P. gasoline or 1.5 H.P. electric	
	PUMP TYPE and CAPACITY:	Self-priming, diaphragm type, 86 BPH	
	PUMP RATE:	60 GPM	
	SUCTION HOSE:	3" I.D., 70' supplied in 10' lengths with hose floats and quick disconnect couplings.	
	DISCHARGE HOSE:	3" I.D.; 50' supplied in 25' lengths with quick disconnect couplings.	
	SWEEP DEPTH:	(Flexible Head) 67" x 38.5" x 8" 1/2" or 1" opening.	

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INFORMATION ON OIL SPILL CONTAINMENT AND CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: OIL RECOVERY EQUIPMENT (SKIMMER AND PUMP)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Spill Control Company Sorbent Sciences Division 828 North Grand Avenue COVINA, California 91724 Tel.(213) 339-1259	SKIMMER SIZE: 24" x 24" x 12" WEIGHT: 18 lbs. CAPACITY: 1" inlet, 3/4" outlet, 600 GPH EQUIPMENT: 25' oil resistant all-weather hose MATERIAL: Copper balls, 8" dia-nickel plated and stainless steel body.	1) Land and Lakes Environmental Service, 750 Himes Street, E. Grand Rapids, Michigan 49508 Tel. (616) 243-4607
MARK II SKIMMER		2) Marine Pollution Control 460 Terryville Road Port Jefferson Station Long Island, New York 11776 Tel. (516) 928-6222
MARK III SKIMMER	All stainless steel parts - 36" x 36" x 16"	

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CLEAN-UP EQUIPMENT COMMERCIALLY AVAILABLE

TYPE: SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Sunshine Chemical Corporation, P.O. Box 5534, Jacksonville, Florida 32207 Tel.: (904) 356-1733 Also: Sunshine Chemical Corporation, P.O. Box 17041 West Hartford, Conn. 06117 Tel.:(203) 232-9227	OVERALL DIMENSIONS: 48" Dia. x 18" high WEIGHT: 125 lbs. POWER REQUIREMENTS: 5 H.P., 4 cycle gas engine (supplied) PUMP TYPE and CAPACITY: Centrifugal gear pump, capacity 500 BPH PUMP RATE: 715 GPM, maximum head - 31' SWEEP WIDTH: 48" Dia., 360° recovery DRAFT: 6")) both adjustable FREEBOARD 12") SURFACE FILM MEASURING INSTRUMENT 2" Dia. x 18" high. Wt. 2 lbs. (used to measure the thickness of petroleum film floating on the surface of the water; as in a spill on rivers or lakes.)	
SEA BROOM DART JANSOLV-60	CONCENTRATED SELF-MIXING DISPERSANT in 55 gallon (US) drums (used 10:1 with fresh or salt water to neutralize flammability and disperse petroleum product spills.)	

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TYPE: OIL RECOVERY EQUIPMENT (SKIMMERS)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER

Surface Separator Systems Inc.,
P.O. Box 5305,
KNOXVILLE, Tenn.
37918

Tel: (615) 688-8820

CONSTRUCTION (OIL SKIMMERS)

Surface Separator Systems, Inc

Frame	-	All stainless steel
Cylinders	-	Glass fiber reinforced, epoxy plastic pipe, with stainless steel stub shafts, closed ends and drain plugs. Oleophylic and hydrophobic surface
Wipers	-	Cloth-inserted synthetic rubber blades
Flotation Blocks	-	Foamed unicellular plastic slab laminations covered with stainless steel sheet metal
Pump	-	Self-priming, positive displacement rotary pump of the progressing cavity-type
Motors	-	Electric motor, air or hydraulic motor, gasoline or diesel engine.

FLOATING OIL SKIMMER

MARINE TERMINAL SKIMMER

M/V "PORT SERVICE"

MODEL	PRIME MOVER	DRY WT.	OIL RECOVERY RATE
BD 208	Air	250 lbs.	300 GPH
BD 213M	Two electric motors	750 lbs.	480 GPH
BD 213G	One gasoline engine	575 lbs.	480 GPH
BD 213R	Two electric motors	900 lbs.	600 GPH
BD 318	Electro-hydraulic	4,200 lbs.	600 GPH

Other skimmer models are available for installation in APR separators or waterways with relatively constant liquid levels.

ie. Marine Terminal Skimmer and M/V "Port Service"

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TYPE: OIL RECOVERY EQUIPMENT

(VACUUM SKIMMER)

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Uniroyal, Inc. Engineering Systems Dept. 312 North Hill Street MISHAWAKA, Indiana 46544	- Portable, self-adjusting vacuum skimmer - May be operated with vacuum tankers in addition to its own pump and motor.	Uniroyal Ltd., 2200 Ste. Catherine St.East MONTREAL, Quebec H2K 4G8 Tel: (514) 522-2111

SKIMMER

(See Miscellaneous Equipment: Uniroyal Motor and Pump)

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TYPE: SKIMMER

MANUFACTURER AND TRADE NAME	TECHNICAL DETAILS	SUPPLIER
Vac-U-Max 37 S. Rutgers St. Belleville, N.J. 07109 Tel: (201) 482-1000 Telex: 138931 OIL SKIMMER	Portable, air-operated oil skimmer. Used for skimming, clean-up and collection of oil from water surfaces. Uses no electric motors or fuel engines. Handles up to #4 weight oil and most entrained material able to pass through 2" inlet. Equipment includes: jet venturi suction unit; 2" inlet; automatic liquid cut-off to prevent over-filling; hose adapter; quick disconnect assembly; static conductive high pressure air hose; oil skimmer wand; hose; 55 gallon recovery drum; drain valve; dolly with casters. Can be used with open or closed top drum.	Shadrack Engineering Ltd. 55 Nuggett Avenue Suite 209 Scarborough, Ontario M1S 3L1 Tel.: (416) 239-3100